

CA-MI

Italian
Medical
Touch

SURGICAL SUCTION UNITS

CATALOGUE 2021

COMPANY PROFILE

Located nearby Parma, in the North of Italy, CA-MI is an Italian family-run factory founded in the early 80's and committed in the production of electromedical equipments, namely SURGICAL SUCTION UNITS for the aspiration of human and animal fluids, used by home-care, hospital, emergency, veterinary and aesthetic professionals. With presence in over 90 countries, and listed in international organizations such as UN, UNICEF, UNFPA, CA-MI offers a comprehensive line to meet the various requirements, including a variety of designs from compact tabletop (ASKIR's), to portable with battery back-up (BR's), to professional units on castors (HOSPIVAC's). Characterized by a great versatility of applications with easy interchange of accessories, all CA-MI suction pumps are manufactured in Italy with flame retardant PC/ABS in compliance with the latest normatives and constitute a solid support whenever electric suction is required. Special attention is paid to liquid collecting jars to offer operators all options. Whether reusable or disposable, different materials and sizes are available, and can be easily replaced with the new Multi Purpose Rail system. CA-MI suction pumps are indicated for use in various specialities, finding applications in OT, ICU, General Surgery, Gastroenterology, Obstetrics, Endoscopy, ENT, Liposuction, Patient Transfer, Rescue, Ambulance Car, Veterinary, Dentistry, just to mention a few.

CA-MI is also addressing to medical and pharmacy retailers with a vast line of medical devices for home use and is one of the most preferred partners in the marketplace for OEM-basis supplies. Visitors are welcome to meet the members of the CA-MI Export Team on occasion of the major international exhibitions such as Medica in Dusseldorf (D) or Arab Health in Dubai (UAE), where we are constantly present with our entire range of medical devices.

QUALITY

Relying on in-house R&D and design departments, all CA-MI suction devices are manufactured in Italy using state-of-the-art and wear resistant materials, in compliance with: UNI EN ISO 9001:2015 and EN ISO 13485:2016 normatives and carry relevant CE 0123 number certified by German Notified Body TÜV SÜD Product Service GmbH.

CLASSIFICATIONS (MDD 93/42/EEC and subsequent changes)

Class IIa Medical Devices

All Suction Units

Class Im with function of measure

Flovac Liners and Containers

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SURGICAL SUCTION UNITS

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Intended Use

Electric suction units are medical devices used in wards, theaters, ambulances, home-care and other fields for aspirating human or animal fluids from the mouth, the airways and from operation sites by sucking the material through a cannula into a collection jar. Mobile electric suction units offer a convenient alternative to central vacuum systems.

CA-MI suction units are divided into 3 main categories:

DESK-TYPE

Portable suction units with reduced size and weight that can be easily displaced. Trolley on castors available as an option.



BATTERY-OPERATED

Suction units that besides standard operation by mains have autonomy by internal rechargeable battery.



ON CASTORS

Professional suction units on antistatic castors, offering a great choice of accessories for various applications.



Fields of application

CA-MI suction units find application in a variety of different fields, such as ENT, Tracheostomy, Endoscopy, Gastroenterology, General Surgery, Obstetrics, Veterinary, Dental, Emergency, Crash Carts, Ambulance and many others.

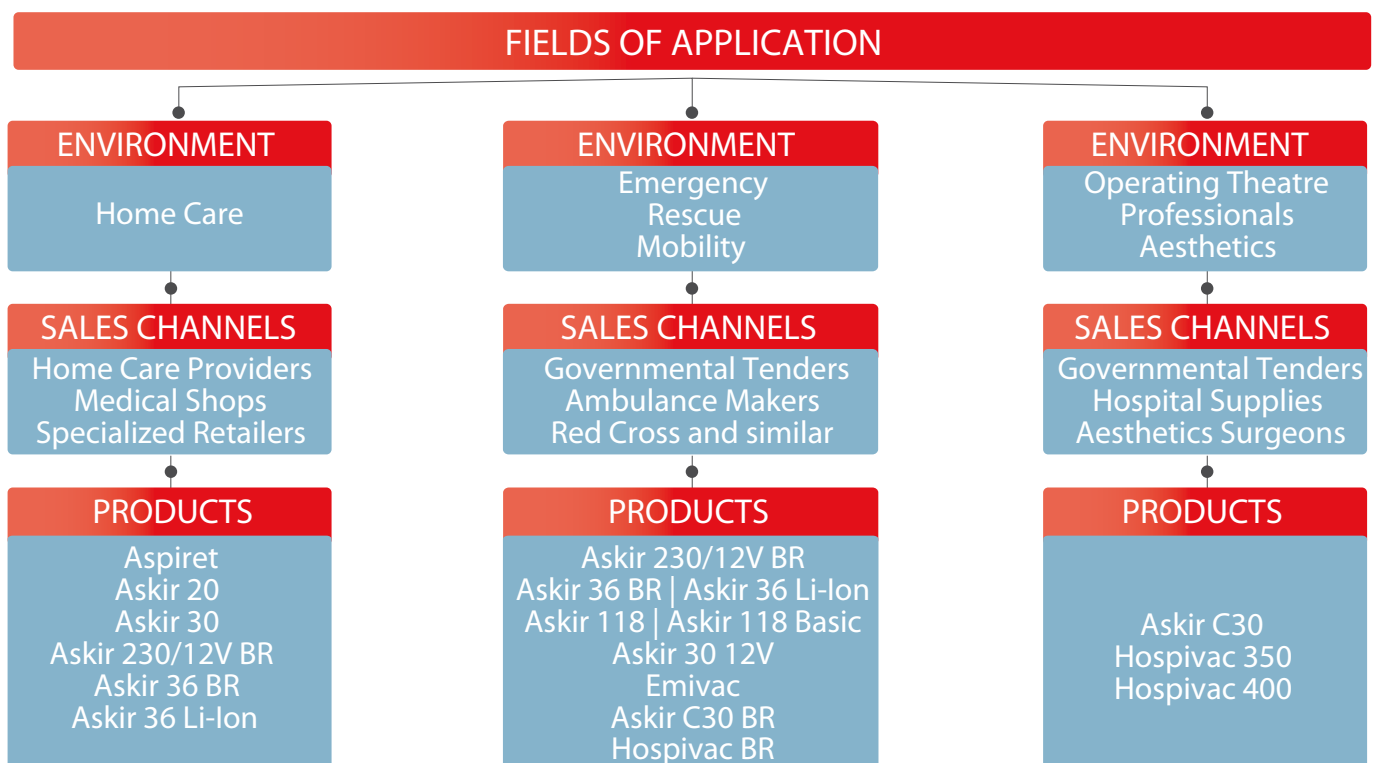
Configurations

All CA-MI suction units are all provided with a number of standard accessories, along with optional accessories to facilitate the operation of medical staff, professionals and lay people.

- Vacuum pump
- Vacuum regulator footswitch
- Jar for liquid collection with overflow valve to prevent liquid from going into the pump
- Hydrophobic/bacterial filter to avoid contaminations and liquid passage
- Vacuum regulator and gauge
- Suction tubes
- Wall mount for ambulances

A number of optional accessories / functions is also available

- Foot-pedal switch with double-mode operation
- Change-over function to quickly switch suction from one jar to the next
- Antistatic castors with brakes and 360° swivel for easy displacement
- Built-in rechargeable battery for operation without mains



MAIN CHARACTERISTICS

Antibacterial/Hydrophobic Filter
Single-patient filters to avoid cross contaminations and liquid passage to the pump.

Vacuum Gauge
Analogic display in different diameters with graduated scale in mmHg and kPa (interval by 5) or digital LCD.

Liquid Collection Jar
Single or multiple containers in different sizes and materials, reusable or disposable. Provided with cover and overflow valve system.

ON/OFF Switch
Mechanical or digital switch.

Conical Connector
Different diameters to connect any type of cannula.

Vacuum Regulator
Manual knob or digital keys for accurate adjustment of vacuum levels.

Pump (main unit)
Oilless pumps for non-stop operation with different suction capacities, from 15 l/min to 90 l/min.




Handle for easy displacement and rear compartment for accessory storage.

Safety Trap Bottle constitutes an additional protection of the pump besides the overflow valve system inside every jar.

MPR System (Multi-Purpose Rail)
Easy interchange of CA-MI accessories, such as rings of various diameters to accommodate jars of different sizes and types, safety trap bottles, cannula holders or a standard medical rail where to hook any accessory by means of standard clamps.

4 x twin antistatic castors
Ø75mm with brakes with 360° swivel.



| DESK-TYPE suction units |  |  |  |  |
|---------------------------------------|---|---|--|---|
| | NEW ASPIRET | NEW ASKIR 20 | NEW ASKIR 30 | NEW ASKIR 30 PROXIMITY |
| Power Feeding | 230V / 50-60Hz 120-127V / 60Hz | 230V / 50-60Hz | 230V / 50-60Hz 110-127V / 60Hz | 230V / 50-60Hz |
| Max Air Flow (without accessories) | 15 l/min | 16 l/min | 40 l/min | 40 l/min |
| Max Vacuum | -563 mmHg | -563 mmHg | -600 mmHg | -600 mmHg |
| Operation | Non-stop approved | Non-stop approved | Non-stop approved | Non-stop approved |
| Proximity (touchless ON/OFF) | | | | YES |

| DESK-TYPE BATTERY OPERATED suction units |  |  |  |  |  |
|---|--|--|---|--|--|
| | ASKIR 230/12V BR | ASKIR 36 BR | ASKIR 36 LI-ION | ASKIR 118 ASKIR 118 WM BASIC | ASKIR 118 ASKIR 118 WM |
| AC/DC Universal adapter 100-240V / 50-60Hz | YES | YES | YES | YES | YES |
| Car Adapter 12V | YES | YES | YES | YES (except WM model) | YES (except WM model) |
| Ambulance wall mount (12V 4A) with support and recharge functions | | | | YES (WM model only) | YES (WM model only) |
| Wall mount with support function only | Optional | Optional | Optional | | |
| Type of battery | Lead | Lead | Lithium-Ion | Lithium-Ion | Lithium-Ion |
| Battery Autonomy | 80 min | 60 min | 70 min | 70 min | 70 min |
| Recharge Time | 240 min | 240 min | 360 min | 360 min | 360 min |
| Max Air Flow (without accessories) | 16 l/min | 36 l/min | 36 l/min | 36 l/min | 26 l/min |
| Max Vacuum | -563 mmHg | -600 mmHg | -600 mmHg | -563 mmHg | -563 mmHg |
| 10G certified | | | | YES (WM model only) | YES (WM model only) |
| Energy-saving | | | YES | YES | YES |
| Proximity (touchless ON/OFF) | | | YES | YES | YES |
| Carrying bag | Optional | Optional | Optional | YES | YES |

EMERGENCY suction units



NEW ASKIR 12V



NEW EMIVAC

Power Feeding

12V CAR ADAPTER

FOOT OPERATED

ON CASTORS suction units



ASKIR C30



NEW HOSPIVAC 350

NEW HOSPIVAC 400

Power Feeding

220-230V / 50-60Hz

220-230V / 50-60Hz
110-127V / 60Hz

220-230V / 50-60Hz

Max Air Flow (without accessories)

40 l/min

60 l/min

90 l/min

Max Vacuum

-600 mmHg

-675 mmHg

-675 mmHg

Operation

Non-stop approved

Non-stop approved

Non-stop approved

Options

Footswitch

Footswitch
Change-Over

Footswitch
Change-Over

ON CASTORS BATTERY OPERATED suction units



ASKIR C30 BR



HOSPIVAC BR

AC/DC Universal adapter

YES

NO

Power Feeding

100-240V
50-60Hz

220-230V
50-60Hz

Type of battery

Lead

Lead

Battery Autonomy

60 min

250 min

Recharge Time

240 min

480 min

Energy-saving

YES

Max Air Flow (without accessories)

36 l/min

50 l/min

Max Vacuum

-600 mmHg

-637,5 mmHg



MAIN APPLICATIONS

ENT

Home Care

Room/Ward

Tracheostomy

CE 0123

NEW ASPIRET is suitable for nasal, oral and endotracheal aspiration of bodily fluids (mucus or catarrh) from adults and children. Indicated for tracheotomized patients, minor surgical applications and post-operative therapy, NEW ASPIRET finds application in out-patient and in-patient care, elderly care and in private care.

ACCESSORIES INCLUDED

- Liquid Collection Jar with overflow valve system (different options, see below)
- Silicone Tubes \varnothing 6x10mm (autoclavable) - Patient Tube length 140cm
- Conical Connector \varnothing 8-9-10mm
- Antibacterial & Hydrophobic Filter (single-patient)
- CH20 Canula
- Power Cord with Schuko plug

OPTIONS

- Stand on 5 Castors \varnothing 50mm with Brakes (antistatic upon request) REF 27731
- Carrying Bag (for 1000ml jar) SP 0207/02
- Carrying Bag (for 2000ml jar) SP 0207
- Yankauer Handle Flat Tip with Hole 2044403
- Yankauer Handle Crown Tip with Hole 2044401
- Yankauer Tube L= 180 204413018

TECHNICAL FEATURES

| | |
|----------------------------|--|
| Motor | Oilless and maintenance-free piston pump |
| Power Feeding | 220-230V / 50-60Hz or 120-127V / 60Hz |
| ISO 10079-1 Classification | HIGH VACUUM / LOW FLOW |
| Max Vacuum (adjustable) | -0.75 bar -75 kPa -563 mmHg (value at sea level - different altitudes may affect it) |
| Max free air flow rate | 15 l/min |
| Noise Level | 59,6 dBA |
| Duty cycle | Non-stop operation |
| IP Code | IP21 |
| Weight | kg 2.95 (unit packed with all accessories) |
| Size | cm 19 x 23 x 15 |
| Years of Warranty | 2 |
| Shipping carton | 4 |
| Place of Manufacturing | Italy |

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AVAILABLE CONFIGURATIONS

| | |
|--------------|---|
| RE 310001 | NEW ASPIRET with 1000ml Autoclavable Jar in Makrolon® (max 121°C) |
| RE 310001/01 | NEW ASPIRET with 2000ml Autoclavable Jar in Makrolon® (max 121°C) |
| RE 310001/19 | NEW ASPIRET with 1000ml Autoclavable Jar in Apec® (max 143°C) |
| RE 310001/20 | NEW ASPIRET with 2000ml Autoclavable Jar in Apec® (max 143°C) |
| RE 310002 | NEW ASPIRET with 1000ml Flovac® Disposable Liner |
| RE 310002/01 | NEW ASPIRET with 2000ml Flovac® Disposable Liner |

MAIN APPLICATIONS

ENT

Home Care

Room/Ward

Tracheostomy



CE 0123

NEW ASKIR 20 is suitable for nasal, oral and endotracheal aspiration of bodily fluids (mucus or catarrh) from adults and children. Indicated for tracheotomized patients, minor surgical applications and post-operative therapy, NEW ASKIR 20 finds application in out-patient and in-patient care, elderly care and in private care.

ACCESSORIES INCLUDED

- Liquid Collection Jar with overflow valve system (different options, see below)
- Silicone Tubes \varnothing 6x10mm (autoclavable) - Patient Tube length 140cm
- Conical Connector \varnothing 8-9-10mm
- Antibacterial & Hydrophobic Filter (single-patient)
- CH20 Canula
- Power Cord with Schuko plug

OPTIONS

- Stand on 5 Castors \varnothing 50mm with Brakes (antistatic upon request) REF 27730
- Carrying Bag (for 1000ml jar) SP 0207/02
- Carrying Bag (for 2000ml jar) SP 0207
- Wall Mount 27736
- Yankauer Handle Flat Tip with Hole 2044403
- Yankauer Handle Crown Tip with Hole 2044401
- Yankauer Tube L= 180 204413018

TECHNICAL FEATURES

| | |
|----------------------------|--|
| Motor | Oiless and maintenance-free piston pump |
| Power Feeding | 220-230V / 50-60Hz |
| ISO 10079-1 Classification | HIGH VACUUM / LOW FLOW |
| Max Vacuum (adjustable) | -0.75 bar -75 kPa -563 mmHg (value at sea level - different altitudes may affect it) |
| Max free air flow rate | 16 l/min |
| Noise Level | 60,5 dBA |
| Duty cycle | Non-stop operation |
| IP Code | IP21 |
| Weight | kg 3.49 (unit packed with all accessories) |
| Size | cm 35 x 18 x 21 |
| Years of Warranty | 2 |
| Shipping carton | 3 |
| Place of Manufacturing | Italy |

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AVAILABLE CONFIGURATIONS

| | |
|--------------|--|
| RE 310100/12 | NEW ASKIR 20 with 1000ml Autoclavable Jar in Makrolon® (max 121°C) |
| RE 310100/13 | NEW ASKIR 20 with 2000ml Autoclavable Jar in Makrolon® (max 121°C) |
| RE 310100/64 | NEW ASKIR 20 with 1000ml Autoclavable Jar in Apec® (max 143°C) |
| RE 310100/70 | NEW ASKIR 20 with 2000ml Autoclavable Jar in Apec® (max 143°C) |
| RE 310101/12 | NEW ASKIR 20 with 1000ml Flovac® Disposable Liner |
| RE 310101/13 | NEW ASKIR 20 with 2000ml Flovac® Disposable Liner |



MAIN APPLICATIONS

Endoscopy

Gastroenterology

General Surgery

Home-Care

Obstetrics

Room / Ward

Veterinary

CE 0123

NEW ASKIR 30 is suitable for nasal, oral and endotracheal aspiration of bodily fluids (mucus or catarrh) from adults and children. Indicated for tracheotomized patients, surgical applications and post-operative therapy, NEW ASKIR 30 finds application in out-patient and in-patient care, elderly care, in private care and at professional level due to its powerful suction capacity of 40 l/min. The newly-designed ergonomic handle ensures a comfortable and secure grip.

ACCESSORIES INCLUDED

- Liquid Collection Jar with overflow valve system (different options, see below)
- Silicone Tubes \varnothing 6x10mm (autoclavable) - Patient Tube length 140cm
- Conical Connector \varnothing 8-9-10mm
- Antibacterial & Hydrophobic Filter (single-patient)
- CH20 Canula
- Power Cord with Schuko plug

OPTIONS

- Stand on 5 Castors \varnothing 50mm with Brakes (antistatic upon request) REF 27730
- Carrying Bag (for 1000ml jar) SP 0207/02
- Carrying Bag (for 2000ml jar) SP 0207
- Footswitch SP 0068/01
- Wall Mount 27736
- Yankauer Handle Flat Tip with Hole 2044403
- Yankauer Handle Crown Tip with Hole 2044401
- Yankauer Tube L= 180 204413018

TECHNICAL FEATURES

| | |
|----------------------------|--|
| Motor | Oiless and maintenance-free piston pump |
| Power Feeding | 220-230V / 50-60Hz or 110-127V / 60Hz |
| ISO 10079-1 Classification | HIGH VACUUM / HIGH FLOW |
| Max Vacuum (adjustable) | -0.80 bar -80 kPa -600 mmHg (value at sea level - different altitudes may affect it) |
| Max free air flow rate | 40 l/min |
| Noise Level | 60,5 dBA |
| Duty cycle | Non-stop operation |
| IP Code | IP21 |
| Weight | kg 4.15 (unit packed with all accessories) |
| Size | cm 35 x 18 x 21 |
| Years of Warranty | 2 |
| Shipping carton | 3 |
| Place of Manufacturing | Italy |

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AVAILABLE CONFIGURATIONS

| | |
|--------------|--|
| RE 310100/02 | NEW ASKIR 30 with 1000ml Autoclavable Jar in Makrolon® (max 121°C) |
| RE 310100/03 | NEW ASKIR 30 with 2000ml Autoclavable Jar in Makrolon® (max 121°C) |
| RE 310100/74 | NEW ASKIR 30 with 1000ml Autoclavable Jar in Apec® (max 143°C) |
| RE 310100/63 | NEW ASKIR 30 with 2000ml Autoclavable Jar in Apec® (max 143°C) |
| RE 310101/02 | NEW ASKIR 30 with 1000ml Flovac® Disposable Liner |
| RE 310100/53 | NEW ASKIR 30 with 2000ml Flovac® Disposable Liner |

MAIN APPLICATIONS

Endoscopy

Gastroenterology

General Surgery

Home-Care

Obstetrics

Room / Ward

Veterinary


CE 0123

NEW ASKIR 30 Proximity is suitable for nasal, oral and endotracheal aspiration of bodily fluids (mucus or catarrh) from adults and children. Indicated for tracheotomized patients, surgical applications and post-operative therapy, NEW ASKIR 30 Proximity finds application in out-patient and in-patient care, elderly care, in private care and at professional level due to its powerful suction capacity of 40 l/min. The newly-designed ergonomic handle ensures a comfortable and secure grip.

ACCESSORIES INCLUDED

- Liquid Collection Jar with overflow valve system (different options, see below)
- Silicone Tubes \varnothing 6x10mm (autoclavable) - Patient Tube length 140cm
- Conical Connector \varnothing 8-9-10mm
- Antibacterial & Hydrophobic Filter (single-patient)
- CH20 Canula
- Power Cord with Schuko plug

OPTIONS

- Stand on 5 Castors \varnothing 50mm with Brakes (antistatic upon request) REF 27730
- Carrying Bag (for 1000ml jar) SP 0207/02
- Carrying Bag (for 2000ml jar) SP 0207
- Footswitch SP 0068/01
- Wall Mount 27736
- Yankauer Handle Flat Tip with Hole 2044403
- Yankauer Handle Crown Tip with Hole 2044401
- Yankauer Tube L= 180 204413018

TECHNICAL FEATURES

| | |
|----------------------------|--|
| Motor | Oiless and maintenance-free piston pump |
| Power Feeding | 220-230V / 50-60Hz |
| ISO 10079-1 Classification | HIGH VACUUM / HIGH FLOW |
| Max Vacuum (adjustable) | -0.80 bar -80 kPa -600 mmHg (value at sea level - different altitudes may affect it) |
| Max free air flow rate | 40 l/min |
| Noise Level | 60,5 dBA |
| Duty cycle | Non-stop operation |
| IP Code | IP21 |
| Weight | kg 4.16 (unit packed with all accessories) |
| Size | cm 35 x 18 x 21 |
| Years of Warranty | 2 |
| Shipping carton | 3 |
| Place of Manufacturing | Italy |

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AVAILABLE CONFIGURATIONS

| | |
|--------------|--|
| RE 310100/02 | NEW ASKIR 30 Proximity with 1000ml Autoclavable Jar in Makrolon® (max 121°C) |
| RE 310100/03 | NEW ASKIR 30 Proximity with 2000ml Autoclavable Jar in Makrolon® (max 121°C) |
| RE 310100/75 | NEW ASKIR 30 Proximity with 1000ml Autoclavable Jar in Apec® (max 143°C) |
| RE 310100/62 | NEW ASKIR 30 Proximity with 2000ml Autoclavable Jar in Apec® (max 143°C) |
| RE 310101/02 | NEW ASKIR 30 Proximity with 1000ml Flovac® Disposable Liner |
| RE 310100/53 | NEW ASKIR 30 Proximity with 2000ml Flovac® Disposable Liner |



MAIN APPLICATIONS

Emergency Dept.

Home-Care

Patient Transfer

Room / Ward

Tracheostomy

Veterinary

Internal Rechargeable Battery

CE 0123

ASKIR 36BR is a portable suction unit for professional use and with a powerful aspiration of max 36 l/min, conceived to be lightweight for easy transport. Three different options for operation: AC/DC adapter, internal lead or lithium-ion rechargeable battery and 12V make it a versatile suction unit approved for NON-STOP operation without overheating. Provided with visual and acoustic alarm indicating low battery level. The newly-designed ergonomic handle ensures a comfortable and secure grip.

ACCESSORIES INCLUDED

- Liquid Collection Jar with overflow valve system (different options, see below)
- Silicone Tubes \varnothing 8x14mm (autoclavable) - Patient Tube length 150cm
- Conical Connector \varnothing 10-11-12mm
- Antibacterial & Hydrophobic Filter (single-patient)
- Internal rechargeable Lead Battery
- Universal switching power adapter and Cable + 12V Car Adapter

OPTIONS

- Stand on 5 Castors \varnothing 50mm with Brakes (antistatic upon request) REF 27730
- Carrying Bag (for 1000ml jar) SP 0207/02
- Carrying Bag (for 2000ml jar) SP 0207
- Wall Mount Brackets 27736
- Footswitch SP 0068/01
- Yankauer Handle Flat Tip with Hole 2044403
- Yankauer Handle Crown Tip with Hole 2044401
- Yankauer Tube L= 180 204413018

TECHNICAL FEATURES

| | |
|----------------------------|---|
| Motor | Oiless and maintenance-free piston pump |
| Power Feeding | 14V \rightleftharpoons 4A by AC/DC Universal Adapter 100-240V / 50-60Hz - 100VA (model UE60-140429SPA1) |
| | 12V \rightleftharpoons 4A Lead rechargeable battery - Autonomy 60 min. - Recharging Time 4 hours |
| | 12V \rightleftharpoons 4A Car adapter |
| ON/OFF Switch | Mechanical switch |
| ISO 10079-1 Classification | HIGH VACUUM / HIGH FLOW |
| Max Vacuum (adjustable) | -0.80 bar -80 kPa -600 mmHg (value at sea level - different altitudes may affect it) |
| Max free air flow rate | 36 l/min |
| Noise Level | 65,5 dBA (with jar) / 68,5 dBA (without jar) |
| Duty cycle | Non-stop operation (by mains only) |
| IP Code | IP21 |
| Weight | kg 5.31 (unit packed with all accessories) |
| Size | cm 35 x 18 x 21 |
| Years of Warranty | 2 |
| Shipping carton | 3 |
| Place of Manufacturing | Italy |

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AVAILABLE CONFIGURATIONS

| | |
|--------------|--|
| RE 410200/03 | ASKIR 36BR with 1000ml Autoclavable Jar in Makrolon® (max 121°C) |
| RE 410200/09 | ASKIR 36BR with 2000ml Autoclavable Jar in Makrolon® (max 121°C) |
| RE 410200/10 | ASKIR 36BR with 1000ml Autoclavable Jar in Apec® (max 143°C) |
| RE 410200/12 | ASKIR 36BR with 2000ml Autoclavable Jar in Apec® (max 143°C) |
| RE 410201 | ASKIR 36BR with 1000ml Flovac® Disposable Liner |
| RE 410201/01 | ASKIR 36BR with 2000ml Flovac® Disposable Liner |

MAIN APPLICATIONS

Emergency Dept.

Home-Care

Patient Transfer

Room / Ward

Tracheostomy

Veterinary



Internal Rechargeable Battery

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NEW ASKIR 36 LI-ION is a portable suction unit for professional use and with a powerful aspiration of max 36 l/min, conceived to be lightweight for easy transport. Three different options for operation: AC/DC adapter, internal lead or lithium-ion rechargeable battery and 12V make it a versatile suction unit approved for NON-STOP operation without overheating. Provided with Li-Ion battery, this model is equipped with a pressure sensor placed in the PCB reduces the speed of the motor when no vacuum is detected and therefore no aspiration is taking place, and with PROXIMITY function to switch ON/OFF without touch. The newly-designed ergonomic handle ensures a comfortable and secure grip. The newly-designed ergonomic handle ensures a comfortable and secure grip.

ACCESSORIES INCLUDED

- Liquid Collection Jar with overflow valve system (different options, see below)
- Silicone Tubes \varnothing 8x14mm (autoclavable) - Patient Tube length 150cm
- Conical Connector \varnothing 10-11-12mm
- Antibacterial & Hydrophobic Filter (single-patient)
- Internal rechargeable Lithium-ion Battery
- Universal switching power adapter and Cable + 12V Car Adapter

OPTIONS

- Stand on 5 Castors \varnothing 50mm with Brakes (antistatic upon request) REF 27730
- Carrying Bag (for 1000ml jar) SP 0207/02
- Carrying Bag (for 2000ml jar) SP 0207
- Wall Mount Brackets 27736
- Footswitch SP 0068/01
- Yankauer Handle Flat Tip with Hole 2044403
- Yankauer Handle Crown Tip with Hole 2044401
- Yankauer Tube L= 180 204413018

TECHNICAL FEATURES

| | |
|----------------------------|---|
| Motor | Oiless and maintenance-free piston pump |
| Power Feeding | 14V \rightleftharpoons 4A by AC/DC Universal Adapter 100-240V / 50-60Hz - 100VA (model UE60-140429SPA1) |
| | 14,8V \rightleftharpoons 5,2A Li-Ion rechargeable battery - Autonomy 70 min. - Recharging Time 6 hours |
| | 12V \rightleftharpoons 4A Car adapter |
| ISO 10079-1 Classification | HIGH VACUUM / HIGH FLOW |
| Max Vacuum (adjustable) | -0.80 bar -80 kPa -600 mmHg (value at sea level - different altitudes may affect it) |
| Max free air flow rate | 36 l/min |
| Noise Level | 60 dBA |
| ON/OFF Switch | Soft-Touch switch |
| Duty cycle | Non-stop operation (by mains only) |
| IP Code | IP22 |
| Weight | kg 4.31 (unit packed with all accessories) |
| Size | cm 35 x 18 x 21 |
| Years of Warranty | 2 |
| Shipping carton | 2 |
| Place of Manufacturing | Italy |

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AVAILABLE CONFIGURATIONS

| | |
|--------------|---|
| RE 410205 | NEW ASKIR 36BR LI-ION with 1000ml Autoclavable Jar in Makrolon [®] (max 121°C) |
| RE 410205/01 | NEW ASKIR 36BR LI-ION with 2000ml Autoclavable Jar in Makrolon [®] (max 121°C) |
| RE 410205/04 | NEW ASKIR 36BR LI-ION with 1000ml Autoclavable Jar in Apec [®] (max 143°C) |
| RE 410205/05 | NEW ASKIR 36BR LI-ION with 2000ml Autoclavable Jar in Apec [®] (max 143°C) |
| RE 410205/02 | NEW ASKIR 36BR LI-ION with 1000ml Flovac [®] Disposable Liner |
| RE 410205/03 | NEW ASKIR 36BR LI-ION with 2000ml Flovac [®] Disposable Liner |



Wall mount for ambulance



MAIN APPLICATIONS

Home-Care

Patient Transfer

Room/Ward

Tracheostomy

Emergency

Veterinary

Ambulance Car

Emergency

Rescue

NEW ASKIR 118 is an electric medical device for the nasal, oral and tracheal aspiration of body fluids in children or adults. It is available in two configurations, one specifically designed for use in ambulance car and emergency and the other for home-care and hospital applications. Large LCD for clear reading of vacuum values along with soft keys for vacuum adjustment increase the accuracy of aspiration. Smart operation thanks to the combination of the lightweight lithium-ion battery with the innovating FEEDBACK system that controls and manages the power of aspiration, providing a long autonomy of the battery and quiet noise level during operation. The PROXIMITY function to switch ON or OFF the device without touch prevents and avoids cross-contamination in-between patients. The unit is equipped with a long-life brushless motor eliminating any type of smell and coal residuals. The NEW ASKIR 118 series is available with various options of jar materials, such as the autoclavable polycarbonate (121°C), or the FLOVAC® disposable liners, or the APEC® that can resist up to 143°C. The ambulance wall mount is 10g dynamically tested according to the EN 1789:2007 last edition European Norm.

DIGITAL VERSION ACCESSORIES INCLUDED

- Liquid Collection Jar with overflow valve system (different options, see below)
- Silicone Tubes \varnothing 8x14mm (autoclavable) - Patient Tube length 150cm + Conical Connector \varnothing 10-11-12mm
- Antibacterial & Hydrophobic Filter (single-patient) + CH20 Canula
- Universal switching power adapter (100-240V / 50-60Hz) and Cable
- 12V Car Adapter for RE410151/XX code only
- Wall mount for ambulance (size cm 20x16x16) for RE410150/XX code only
- Protective Carrying Case (included for RE410150/XX / option for RE410151/XX code SP 0207/01)



DIGITAL VERSION TECHNICAL FEATURES

| | |
|----------------------------|---|
| Brushless Motor | Oilless and maintenance-free piston pump |
| Power Feeding | 14V \rightleftharpoons 4A by AC/DC Universal Adapter 100-240V / 50-60Hz - 100VA (model UE60-140429SPA1) |
| | 14,8V \rightleftharpoons 5,2A Li-Ion rechargeable battery - Autonomy 70 min. - Recharging Time 6 hours |
| | 12V \rightleftharpoons 4A Car adapter for RE410151/XX code only |
| | Wall mount for ambulance (12V \rightleftharpoons 4A) for RE410150/XX code only |
| Max Vacuum (adjustable) | -0.75 bar -75 kPa -563 mmHg (value at sea level - different altitudes may affect it) |
| ISO 10079-1 Classification | HIGH VACUUM / HIGH FLOW |
| Max free air flow rate | 26 l/min |
| Noise level | min. 46,7 dB max. 61,8 dB (depending on power supply) |
| Duty cycle | Non-stop operation (by mains only) |
| IP Code | IP22 |
| Weight | kg 4.07 (unit packed with all accessories) |
| Size | cm 35 x 15 x 19 |
| Years of Warranty | 2 |
| Shipping carton | 2 |
| Place of Manufacturing | Italy |

Italian
Medical
Touch
MADE IN ITALY

DIGITAL VERSION AVAILABLE CONFIGURATIONS

- NEW ASKIR 118 with 1000ml Autoclavable Jar in Makrolon® (max 121°C)
- NEW ASKIR 118 with 1000ml Autoclavable Jar in Apec®(max 143°C)
- NEW ASKIR 118 with 1000ml Flovac®Disposable Liner

ASKIR 118

- RE 410151
- RE 410151/05
- RE 410151/02

ASKIR 118 WM

- RE 410150
- RE 410150/05
- RE 410150/02

CE 0123

MAIN APPLICATIONS

- Home-Care
- Patient Transfer
- Room/Ward
- Tracheostomy
- Emergency
- Veterinary



- Ambulance Car
- Emergency
- Rescue

Wall mount for ambulance



NEW ASKIR 118 BASIC is an electric medical device for the nasal, oral and tracheal aspiration of body fluids in children or adults. It is available in two configurations, one specifically designed for use in ambulance car and emergency and the other for home-care and hospital applications. The unit is equipped with a long-life oilless piston pump motor providing 36 l/min suction capacity. The NEW ASKIR 118 BASIC series is available with various options of jar materials, such as the autoclavable polycarbonate (121°C), or the FLOVAC® disposable liners, or the APEC® that can resist up to 143°C. The ambulance wall mount is 10g dynamically tested according to the EN 1789:2007 last edition European Norm.

ANALOGIC VERSION ACCESSORIES INCLUDED

- Liquid Collection Jar with overflow valve system (different options, see below)
- Silicone Tubes ø 8x14mm (autoclavable) - Patient Tube length 150cm + Conical Connector ø 10-11-12mm
- Antibacterial & Hydrophobic Filter (single-patient) + CH20 Canula
- Universal switching power adapter (100-240V 50/60Hz) and Cable
- 12V Car Adapter for RE410171/XX code only
- Wall mount for ambulance (size cm 20x16x16) for RE410170/XX code only
- Protective Carrying Case (included for RE410170/XX / option for RE410171/XX code SP 0207/01)



ANALOGIC VERSION TECHNICAL FEATURES

| | |
|----------------------------|---|
| Brushless Motor | Oilless and maintenance-free piston pump |
| Power Feeding | 14V \rightleftharpoons 4A by AC/DC Universal Adapter 100-240V / 50-60Hz - 100VA (model UE60-140429SPA1) |
| | 14,8V \rightleftharpoons 5,2A Li-Ion rechargeable battery - Autonomy 70 min. - Recharging Time 6 hours |
| | 12V \rightleftharpoons 4A Car adapter for RE410171/XX code only |
| | Wall mount for ambulance (12V \rightleftharpoons 4A) for RE410170/XX code only |
| Max Vacuum (adjustable) | -0.75 bar -75 kPa -563 mmHg (value at sea level - different altitudes may affect it) |
| ISO 10079-1 Classification | HIGH VACUUM / HIGH FLOW |
| Max free air flow rate | 36 l/min |
| Max free air flow rate | min. 54,7 dB max. 68,2 dB (depending on power supply) |
| Duty cycle | Non-stop operation (by mains only) |
| IP Code | IP22 |
| Weight | kg 2.50 (unit packed with all accessories) |
| Size | cm 35 x 15 x 19 |
| Years of Warranty | 2 |
| Shipping carton | 2 |
| Place of Manufacturing | Italy |

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ANALOGIC VERSION AVAILABLE CONFIGURATIONS

| | 118 BASIC | 118 BASIC WM |
|---|--------------|--------------|
| NEW ASKIR 118 BASIC with 1000ml Autoclavable Jar in Makrolon® (max 121°C) | RE 410171 | RE 410170 |
| NEW ASKIR 118 BASIC with 1000ml Autoclavable Jar in Apec®(max 143°C) | RE 410171/03 | RE 410170/03 |
| NEW ASKIR 118 BASIC with 1000ml Flovac® Disposable Liner | RE 410171/01 | RE 410170/01 |

CE 0123

The warranty lapses immediately if the unit is used without all the required accessories or with non-original (CA-MI accessories)



MAIN APPLICATIONS

Emergency Dept.

Home-Care

Patient Transfer

Room / Ward

Tracheostomy

Veterinary

Internal Rechargeable Battery

CE 0123

NEW ASKIR 230/12V BR is an electric suction unit for the aspiration of body liquids, oral, nasal and tracheal aspiration in adults or children. Suitable for emergency applications and for post-operative therapy, both in professional environment and home-care. Three different options for operation: AC/DC adapter, rechargeable battery and 12V make it a versatile suction unit approved for NON-STOP operation without overheating. Provided with visual and acoustic alarm indicating low battery level. The newly-designed ergonomic handle ensures a comfortable and secure grip.

ACCESSORIES INCLUDED

- Liquid Collection Jar with overflow valve system (different options, see below)
- Silicone Tubes \varnothing 6x10mm (autoclavable) - Patient Tube length 140cm
- Conical Connector \varnothing 8-9-10mm
- Antibacterial & Hydrophobic Filter (single-patient) + CH20 Canula
- AC/DC Universal Adapter + Power Cord with European plug
- 12V Car Adapter

OPTIONS

- Stand on 5 Castors \varnothing 50mm with Brakes (antistatic upon request) REF 27730
- Carrying Bag (for 1000ml jar) SP 0207/02
- Carrying Bag (for 2000ml jar) SP 0207
- Wall Mount 27736
- Yankauer Handle Flat Tip with Hole 2044403
- Yankauer Handle Crown Tip with Hole 2044401
- Yankauer Tube L= 180 204413018

TECHNICAL FEATURES

| | |
|----------------------------|--|
| Motor | Oiless and maintenance-free piston pump |
| Power Feeding | 14V \approx 4A by AC/DC Universal Adapter 100-240V / 50-60Hz - 100VA (model UE60-140429SPA1) |
| | 12V \approx 4A Internal rechargeable Pb battery - Autonomy 80 min. - Recharging Time 4 hours |
| | 12V \approx 1,9A Car adapter |
| ISO 10079-1 Classification | HIGH VACUUM / LOW FLOW |
| Max Vacuum (adjustable) | -0.75 bar -75 kPa -563 mmHg (value at sea level - different altitudes may affect it) |
| Max free air flow rate | 16 l/min |
| Noise Level | 63,0 dBA |
| Duty cycle | Non-stop operation (by mains only) |
| IP Code | IP21 |
| Weight | kg 4.55 (unit packed with all accessories) |
| Size | cm 35 x 18 x 21 |
| Years of Warranty | 2 |
| Shipping carton | 3 |
| Place of Manufacturing | Italy |

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AVAILABLE CONFIGURATIONS

| | |
|--------------|--|
| RE 310211 | NEW ASKIR 230/12V BR with 1000ml Autoclavable Jar in Makrolon® (max 121°C) |
| RE 310211/01 | NEW ASKIR 230/12V BR with 2000ml Autoclavable Jar in Makrolon® (max 121°C) |
| RE 310211/06 | NEW ASKIR 230/12V BR with 1000ml Autoclavable Jar in Apec® (max 143°C) |
| RE 310211/11 | NEW ASKIR 230/12V BR with 2000ml Autoclavable Jar in Apec® (max 143°C) |
| RE 310211/03 | NEW ASKIR 230/12V BR with 1000ml Flovac® Disposable Liner |
| RE 310211/04 | NEW ASKIR 230/12V BR with 2000ml Flovac® Disposable Liner |

**NEW ASKIR 30 12V
MAIN APPLICATIONS**

Ambulance Car

Emergency



**NEW EMIVAC
MAIN APPLICATIONS**

Ambulance Car

Emergency Dept.

Field Hospital

Obstetrics



CE 0123

NEW ASKIR 30 12V is a desk-type electric suction unit for the aspiration of body liquids, oral, nasal and tracheal aspiration in adults or children. Designed for use in ambulance car. Equipped with aspiration regulator and vacuum indicator located on the front panel. Operates by 12V DC only!

NEW EMIVAC is a portable foot-operated suction unit suitable for emergency aspiration. No lubrication or battery change are needed and it's always ready for use. It can be used for soft aspirations such as tracheal suction and on small children and up to 300 mmHg. Provided with a polycarbonate 400 ml autoclavable jar with overflow valve. Foot-operated only!

ACCESSORIES INCLUDED

NEW ASKIR 30 12V

- Liquid Collection Jar with overflow valve system (different options, see below)
- Silicone Tubes \varnothing 6x10mm (autoclavable) - Patient Tube length 140cm
- Conical Connector \varnothing 8-9-10 mm
- Antibacterial & Hydrophobic Filter (single-patient)
- CH20 Canula
- 12V Car Adapter

NEW EMIVAC

- Liquid Collection Jar with overflow valve system
- Silicone Tubes \varnothing 6x10mm (autoclavable) - Patient Tube length 140cm
- Conical Connector \varnothing 8-9-10 mm
- Antibacterial & Hydrophobic Filter (single-patient)

TECHNICAL FEATURES

NEW ASKIR 30 12V

NEW EMIVAC

| | | |
|----------------------------|--|-----------------------------|
| Motor | Oiless and maintenance-free piston pump | / |
| Power Feeding | 12V --- | Manual (foot-operated) |
| ISO 10079-1 Classification | HIGH VACUUM / HIGH FLOW | MEDIUM VACUUM - 22l/min |
| Max Vacuum* (adjustable) | -0.75 bar -75 kPa -563 mmHg *(value at sea level - different altitudes may affect it) | -0.40 bar -40 kPa -300 mmHg |
| Max free air flow rate | 25 l/min | 22 l/min |
| Noise Level | 61,5 dBA | / |
| Duty cycle | Ton: 20min - Toff: 40min | Foot-operated |
| Weight | kg 2.50 | kg 1.15 |
| Size | cm 35 x 21 x 18 | cm 22 x 16 x 8 |
| Years of Warranty | 2 | 2 |
| Shipping carton | 4 | 6 |
| Place of Manufacturing | Italy | Italy |

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AVAILABLE CONFIGURATIONS

| | |
|--------------|--|
| RE 310150/02 | NEW ASKIR 30 12V with 1000ml Autoclavable Jar in Makrolon® (max 121°C) |
| RE 310150/05 | NEW ASKIR 30 12V with 2000ml Autoclavable Jar in Makrolon® (max 121°C) |
| RE 310150/10 | NEW ASKIR 30 12V with 1000ml Autoclavable Jar in Apec® (max 143°C) |
| RE 310150/11 | NEW ASKIR 30 12V with 2000ml Autoclavable Jar in Apec® (max 143°C) |
| RE 310150/12 | NEW ASKIR 30 12V with 1000ml Flovac® Disposable Liner |
| RE 310150/13 | NEW ASKIR 30 12V with 2000ml Flovac® Disposable Liner |
| RE 310300 | NEW EMIVAC with 400 ml autoclavable jar in polycarbonate |



MAIN APPLICATIONS

Emergency Dept.

Endoscopy

Gastroenterology

General Surgery

Obstetrics

Dental Practice

Internal Rechargeable Battery

CE 0123

ASKIR C30 BR is a portable suction unit for the aspiration of body liquids, oral, nasal and tracheal aspiration in adults or children. For professional use and with a powerful aspiration of max 36l/min. ASKIR C30 BR comes with double collection jars and on a stand with five antistatic castors for easy transport. Two different options for operation: AC/DC adapter and rechargeable battery in case of power black out make it a versatile suction unit approved for NON-STOP operation without overheating. Provided with visual and acoustic alarm indicating low battery level, the main unit is also equipped with vacuum-meter (mmHg & kPa) and vacuum regulator.

ACCESSORIES INCLUDED

- Liquid Collection Jar with overflow valve system (different options, see below)
- Silicone Tubes \varnothing 8x14mm (autoclavable) - Patient Tube length 150cm
- Conical Connector \varnothing 10-11-12mm
- Antibacterial & Hydrophobic Filter (single-patient)
- Universal switching Power Adapter (100-240V/50-60Hz) + Power Cord

TECHNICAL FEATURES

| | |
|----------------------------|--|
| Motor | Oilless and maintenance-free piston pump |
| Power Feeding | 14V \rightleftharpoons 4A by AC/DC Universal Adapter 100-240V / 50-60Hz - 100VA (model UE60-140429SPA1) |
| | \rightleftharpoons 12V \rightleftharpoons 4A Internal rechargeable Pb battery - Autonomy 60 min. - Recharging Time 4 hours |
| Max Vacuum (adjustable) | -0.80 bar -80 kPa -600 mmHg (value at sea level - different altitudes may affect it) |
| ISO 10079-1 Classification | HIGH VACUUM / HIGH FLOW |
| Max free air flow rate | 36 l/min |
| Noise Level | 65,5 dBA (with jar) / 68,5 dBA (without jar) |
| Duty cycle | Non-stop operation (by mains only) |
| Weight | kg 12.90 (unit packed with all accessories) |
| Size | cm 32 x 30 x 99 |
| Years of Warranty | 2 |
| Shipping carton | 1 |
| Place of Manufacturing | Italy |

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AVAILABLE CONFIGURATIONS

- | | |
|--------------|---|
| RE 410251 | ASKIR C30 BR with 2x2000 ml autoclavable jars in polycarbonate Makrolon 2858 |
| RE 410251/01 | ASKIR C30 BR with 2x2000 ml Flovac® disposable liners and reusable containers |
| | Jars in APEC® autoclavable up to 143°C available upon request |

MAIN APPLICATIONS

Emergency Dept.

Endoscopy

Gastroenterology

General Surgery

Obstetrics

Dental Practice

CE 0123



ASKIR C30 is a portable suction unit on castors for the aspiration of body liquids, oral, nasal and tracheal aspiration in adults or children. For professional use and with a powerful aspiration of max 40 l/min, ASKIR C30 comes with double collection jars and on a stand with five castors for easy transport. Main unit equipped with vacuum-meter (mmHg & kPa) and vacuum regulator.

ACCESSORIES INCLUDED

BASIC

FS

| | | |
|---|-----------------------|-----------------------|
| Liquid Collection Jar with overflow valve system (different options, see below) | <input type="radio"/> | <input type="radio"/> |
| Silicone Tubes ø 8x14mm (autoclavable) - Patient Tube length 150cm | <input type="radio"/> | <input type="radio"/> |
| Conical Connector ø 10-11-12mm | <input type="radio"/> | <input type="radio"/> |
| Antibacterial & Hydrophobic Filter (single-patient) + CH20 Canula | <input type="radio"/> | <input type="radio"/> |
| Power Cord with Schuko plug | <input type="radio"/> | <input type="radio"/> |
| Footswitch (may be ordered at a later time) | | <input type="radio"/> |

TECHNICAL FEATURES

| | |
|----------------------------|--|
| Motor | Oilless and maintenance-free piston pump |
| Power Feeding | 220-230V / 50-60Hz |
| Max Vacuum (adjustable) | -0.80 bar -80 kPa -600 mmHg (value at sea level - different altitudes may affect it) |
| ISO 10079-1 Classification | HIGH VACUUM / HIGH FLOW |
| Max free air flow rate | 40 l/min |
| Noise Level | 61,5 dBA |
| Duty cycle | Non-stop operation |
| Weight | kg 9.06 (unit packed with all accessories) |
| Size | cm 32 x 30 x 99 |
| Years of Warranty | 2 |
| Shipping carton | 1 |
| Place of Manufacturing | Italy |

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AVAILABLE CONFIGURATIONS

| | |
|--------------|---|
| RE 410250 | ASKIR C30 BASIC with 2x2000 ml autoclavable jars in polycarbonate Makrolon 2858 |
| RE 410250/01 | ASKIR C30 FS with 2x2000 ml autoclavable jars in polycarbonate Makrolon 2858 + footswitch |
| RE 410250/10 | ASKIR C30 BASIC with 2x2000 ml Flovac® disposable liners and reusable containers |
| | Jars in APEC® autoclavable up to 143°C available upon request |



with new
MPR system
Multi Purpose Rail

See page 24

MAIN APPLICATIONS

Emergency Dept.

General Surgery

Gynecology

Neurosurgery

Obstetrics

Operating Theatre

Dental Practice

CE 0123

Available in its three configurations, BASIC, FS and FULL, NEW HOSPIVAC 350 has been designed for professional aspiration of bodily fluids, tissues or bones of patients during or after surgery. The state-of-the-art 60 l/min oilless and maintenance-free pump provides high performances with excellent suction capacities and max vacuum built up within a few seconds. A clear dashboard along with a full range of accessories and antistatic castors with brakes make it the ideal device for surgical suction. The new MPR (Multi Purpose Rail) system enhances the versatility of the Hospivac series for easy and quick exchange of different accessories, with no need for tools. In fact, being equipped with five connections, all CA-MI accessories can be easily accommodated, such as rings of various diameters to fit jars of different sizes and types (2L, 3L, 5L), cannula holders or a medical stainless steel rail where to hook any other type of accessory by means of clamps. The new safety trap bottle is also a new standard accessory in the Hospivac series.

The new safety trap bottle is also a new standard accessory in the Hospivac series, bringing up to three the overflow protection systems, besides the valve integrated in the jar and the hydrophobic filter, thus providing the Hospivac series with the highest standards of safety.

AVAILABLE MODELS AND ACCESSORIES INCLUDED

| | BASIC | FS | FULL |
|---|-------|----|------|
| Liquid Collection Jar with overflow valve system (different options, see below) | 2 | 2 | 2 |
| Rings to accommodate jars (3 sizes depending on the jar) | 2 | 2 | 2 |
| Safety Trap Bottle (220ml) | 1 | 1 | 2 |
| Antibacterial & Hydrophobic Filter (single-patient) | 1 | 1 | 2 |
| Silicone Tubes \varnothing 8x14mm (autoclavable) - Patient Tube length 150cm | 1 | 1 | 2 |
| Conical Connector \varnothing 10-11-12mm | 1 | 1 | 2 |
| Air suction inlet | 1 | 1 | 2 |
| Footswitch with intermittent or continuous operation | | 1 | 1 |
| Change-Over System from jar to jar by soft-touch keys | | | 1 |
| Power Cord with Schuko plug | 1 | 1 | 1 |

OPTIONAL ACCESSORIES

Rings available in three sizes:

- 2000 ml autoclavable jars
- 2000 ml and 3000 ml Flovac® disposable systems
- 5000 ml autoclavable jars

Cannula holder to store safely suction tube during operation

Footswitch with vacuum regulation function

Silicone Fetal Vacuum Cups

Standard medical stainless steel rail (25x10 or 30x10) and clamps

TECHNICAL FEATURES

| | |
|----------------------------|--|
| Motor | Oilless and maintenance-free piston pump |
| Power Feeding | 220-230V / 50-60Hz or 110-127V / 60Hz |
| Max Vacuum (adjustable) | -0.90 bar -90 kPa -675 mmHg (value at sea level - different altitudes may affect it) |
| ISO 10079-1 Classification | HIGH VACUUM / HIGH FLOW |
| Max free air flow rate | 60 l/min |
| Noise Level | 51,7 dBA |
| Duty cycle | Non-stop operation |
| Weight | 20 kg (unit alone without accessories) |
| Size | cm 46 x 42 x 85 |
| Years of Warranty | 2 |
| Shipping carton | 1 |
| Place of Manufacturing | Italy |

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MAIN APPLICATIONS

Emergency Dept.

General Surgery

Gynecology

Neurosurgery

Obstetrics

Operating Theatre

Dental Practice



CE 0123

with new
MPR system
Multi Purpose Rail

See page 24

Available in its three configurations, BASIC, FS and FULL, NEW HOSPIVAC 400 has been designed for professional aspiration of bodily fluids, tissues or bones of patients during or after surgery. The state-of-the-art 90 l/min oilless and maintenance-free pump provides high performances with excellent suction capacities and max vacuum built up within a few seconds. A clear dashboard along with a full range of accessories and antistatic castors with brakes make it the ideal device for surgical suction. The new MPR (Multi Purpose Rail) system enhances the versatility of the Hospivac series for easy and quick exchange of different accessories, with no need for tools. In fact, being equipped with five connections, all CA-MI accessories can be easily accommodated, such as rings of various diameters to fit jars of different sizes and types (2L, 3L, 5L), cannula holders or a medical stainless steel rail where to hook any other type of accessory by means of clamps. The new safety trap bottle is also a new standard accessory in the Hospivac series. The new safety trap bottle is also a new standard accessory in the Hospivac series, bringing up to three the overflow protection systems, besides the valve integrated in the jar and the hydrophobic filter, thus providing the Hospivac series with the highest standards of safety.

AVAILABLE MODELS AND ACCESSORIES INCLUDED

| | BASIC | FS | FULL |
|---|-------|----|------|
| Liquid Collection Jar with overflow valve system (different options, see below) | 2 | 2 | 2 |
| Rings to accommodate jars (3 sizes depending on the jar) | 2 | 2 | 2 |
| Safety Trap Bottle (220ml) | 1 | 1 | 2 |
| Antibacterial & Hydrophobic Filter (single-patient) | 1 | 1 | 2 |
| Silicone Tubes ø 8x14mm (autoclavable) - Patient Tube length 150cm | 1 | 1 | 2 |
| Conical Connector ø 10-11-12mm | 1 | 1 | 2 |
| Air suction inlet | 1 | 1 | 2 |
| Footswitch with intermittent or continuous operation | | 1 | 1 |
| Change-Over System from jar to jar by soft-touch keys | | | 1 |
| Power Cord with Schuko plug | 1 | 1 | 1 |

OPTIONAL ACCESSORIES

Rings available in three sizes:

- 2000 ml autoclavable jars
- 2000 ml and 3000 ml Flovac® disposable systems
- 5000 ml autoclavable jars

Cannula holder to store safely suction tube during operation

Footswitch with vacuum regulation function

Silicone Fetal Vacuum Cups

Standard medical stainless steel rail (25x10 or 30x10) and clamps

TECHNICAL FEATURES

| | |
|----------------------------|--|
| Motor | Oilless and maintenance-free piston pump |
| Power Feeding | 220-230V / 50-60Hz |
| Max Vacuum (adjustable) | -0.90 bar -90 kPa -675 mmHg (value at sea level - different altitudes may affect it) |
| ISO 10079-1 Classification | HIGH VACUUM / HIGH FLOW |
| Max free air flow rate | 90 l/min |
| Noise Level | 46,4 dBA |
| Duty cycle | Non-stop operation |
| Weight | 21 kg (unit alone without accessories) |
| Size | cm 46 x 42 x 85 |
| Years of Warranty | 2 |
| Shipping carton | 1 |
| Place of Manufacturing | Italy |

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MAIN APPLICATIONS

Emergency Dept.

General Surgery

Gynecology

Neurosurgery

Obstetrics

Operating Theatre

Dental Practice



Internal Rechargeable Battery

with new **MPR system** Multi Purpose Rail

See page 24

CE 0123

For environments where a battery back up is required, NEW HOSPIVAC BR is the unique solution for surgeons and professionals, providing high performances along with the internal rechargeable battery capable of operating the unit for more than 4 hours in absence of mains electricity. With the Energy-Saving function, a pressure sensor placed in the PCB reduces the speed of the motor when the unit is ON and no aspiration is taking place. This extends the autonomy of the battery and reduces the noise level. Designed with fast connectors, the new Multi Purpose Rail enables the operator to easy interchange of accessories, such as rings of various diameters to accommodate jars of any sizes and types, safety trap bottles, cannula holders or a standard medical rail where to hook any accessory by means of clamps.

STANDARD ACCESSORIES INCLUDED

- 2 x Liquid Collection Jar with overflow valve system (different options, see below)
- 2 Sets of Silicone Tubes \varnothing 8x14mm (autoclavable) - Patient Tube length 150cm
- Conical Connector \varnothing 10-11-12mm
- 2 x Antibacterial & Hydrophobic Filter (single-patient)
- Footswitch
- Power Cord with Schuko plug

FUNCTIONS

- Electronic Change-Over System from jar to jar
- Energy-saving
- Internal rechargeable battery and charger
- Footswitch with intermittent or continuous use

OPTIONS

- Vacuum Regulator Footswitch
- Cannula Container
- Silicone Fetal Vacuum Cups

TECHNICAL FEATURES

| | |
|----------------------------|--|
| Motor | Oiless and maintenance-free piston pump |
| Power Feeding | 220-230V / 50-60Hz with internal AC/DC Power Adapter |
| | Internal Rechargeable Battery (Lead-type 12V \approx 20A) |
| | Battery Autonomy 250 min. - Recharging Time 8 hours |
| Max Vacuum (adjustable) | -0.85 bar -85 kPa -637,5 mmHg (value at sea level - different altitudes may affect it) |
| ISO 10079-1 Classification | HIGH VACUUM / HIGH FLOW |
| Max free air flow rate | 50 l/min |
| Absorbed Power | 90VA |
| Duty cycle | Non-stop operation (by mains only) |
| Weight | kg 20 |
| Size | cm 46 x 42 x 85 |
| Years of Warranty | 2 |
| Shipping carton | 1 |
| Place of Manufacturing | Italy |

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AVAILABLE CONFIGURATIONS

- RE 410400 NEW HOSPIVAC BR with 2x2000 ml autoclavable jar in polycarbonate Makrolon 2858
- RE 410400/03 NEW HOSPIVAC BR with 2x5000 ml autoclavable jar in polycarbonate Makrolon 2858
- RE 410400/01 NEW HOSPIVAC BR with 2x2000 ml Flovac® disposable liner and reusable container
- RE 410400/02 NEW HOSPIVAC BR with 2x5000 ml Flovac® disposable liner and reusable container
- Jars in APEC® autoclavable up to 143°C available upon request



Thanks to the new MPR System, HOSPIVAC series offer a great versatility to users when it comes to change type of jars for liquid collection, regardless in which configuration the suction unit has been supplied in origin. The table below shows the components of the MPR System.

NEW HOSPIVAC SERIES JARS INTERCHANGE

| COMPONENT | DESCRIPTION | REF. |
|---|---|---|
|  | MPR - Multipurpose Rail with 5 locking slots. Supplied with each Hospivac. | 31255 |
|  | CAPS to close the locking slots when not in use | 31253 |
|  | Safety trap bottle (220ml) | *** |
|  | RING for 2L autoclavable jar RING for 5L autoclavable jar RING for 2L or 3L Flovac® RING for catheter holder | 31254 31254/01 31254/02 31254/03 |
|  | Stainless steel standard medical rail, 25x10 Stainless steel standard medical rail, 30x10 | *** 23613 |
|  | Right HOOK for stainless steel rail Left HOOK for stainless steel rail | 31256 31257 |

ASKIR C30 SERIES JARS INTERCHANGE

| EXISTING JARS | TO SWITCH TO | TO SWITCH TO | TO SWITCH TO | TO SWITCH TO |
|---------------------------|--|-----------------------------------|---|---|
| | 2000 ml autoclavable jars | 4000 ml/5000 ml autoclavable jars | 2000 ml disposable liners | 3000 ml disposable liners |
| 2000 ml autoclavable jars | | DO NOT FIT | Ring adapters SP 0078/04 to be removed from existing jar holder | Ring adapters SP 0078/04 to be removed from existing jar holder |
| 2000 ml disposable liners | Ring adapters SP 0078/04 to be inserted into existing jar holder | DO NOT FIT | | DO NOT FIT |

REUSABLE JARS are equipped with screw cover with handle for easy grip, autoclavable silicone o-ring for tight seal, overflow valve system integrated in the cover, clear graduated scale in ml with 100ml or 200ml intervals, CA-MI branding. Suitable for central vacuum systems and CA-MI suction units. Available in two types of polycarbonate, Makrolon® and Apec®.

REUSABLE JARS in MAKROLON® – FOR STEAM STERILIZATION UP TO 121 °C



| | Jar with: cover overflow valve o-ring | Jar | Cover with: overflow valve o-ring | O-ring | Suitable for: |
|---------|--|-----------|---|-----------|---|
| 400 ml | RE 210301 | RE 210305 | RE 210302 | RE 210304 | EMIVAC |
| 1000 ml | RE 210001/02 | RE 210003 | RE 210352/01 | RE 210354 | ASPIRET ASKIR series (all except C30 series) Central Vacuum Plants |
| 2000 ml | RE 210351/01 | RE 210353 | RE 210352/01 | RE 210354 | ASPIRET - ASKIR Series HOSPIVAC Series Central Vacuum Plants |
| 4000 ml | RE 210006 | RE 210007 | RE 210008 | RE 210306 | HOSPIVAC Series Vuoto centralizzato |
| 5000 ml | RE 210010 | RE 210013 | RE 210012 | RE 210307 | HOSPIVAC Series Central Vacuum Plants |

REUSABLE JARS in APEC® 1745 – FOR STEAM STERILIZATION UP TO 143 °C



| | Jar with: cover overflow valve o-ring | Jar | Cover with: overflow valve o-ring | O-ring | Suitable for: |
|---------|--|--------------|---|-----------|---|
| 1000 ml | RE 210009 | RE 210002 | RE 210352/02 | RE 210354 | ASPIRET ASKIR series (all except C30 series) Central Vacuum Plants |
| 2000 ml | RE 210351/05 | RE 210353/01 | RE 210352/02 | RE 210354 | ASPIRET - ASKIR Series HOSPIVAC Series Central Vacuum Plants |
| 5000 ml | RE 210010/01 | RE 210013/01 | RE 210012/01 | RE 210307 | HOSPIVAC Series Vuoto centralizzato |

FLOVAC® DISPOSABLE LINERS equipped with polyethylene disposable liner, hydrophobic filter, antibacterial filter, overflow system, reusable container with clear graduated scale in ml with 50ml intervals. The gelling kit is a powder inside liners with germicidal function turning the sucked liquid into a semisolid mass, preventing cross-contamination risks of staff in charge for hygiene and waste disposal.

FLOVAC® DISPOSABLE LINERS & CONTAINERS



| | Liner with: cover filter | | Liner with: cover filter gelling kit | | Reusable Container | Suitable for |
|---------|--------------------------------|--|---|--|-----------------------|--|
| 1000 ml | 31848 | | 31858 | | 31843** | ASPIRET ASKIR series (all except C30 series) |
| 1000 ml | 31845 | | 31854 | | 31840 | Central Vacuum Plants |
| 2000 ml | 31846 | | 31855 | | 31841 | ASPIRET - ASKIR Series HOSPIVAC Series Central Vacuum Plants |
| 3000 ml | 31847 | | 31856 | | 31842 | HOSPIVAC Series Central Vacuum Plants |

** Requires additional round spacer (SP.0220) when ordered for ASKIR Series

Hermetically welded **RIGID LID**

Flovac® Disposable Liner

1000 ml / 2000 ml / 3000 ml

PATIENT PORT for connection of the tube going to the patient

Plug to close the **PATIENT** port before disposal

VACUUM PORT for connection to the vacuum central plant or to CA-MI suction unit

TANDEM PORT for connection of several liners in cascade

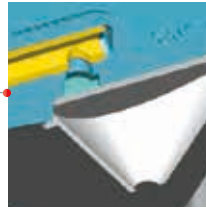
Plug to close the **TANDEM** port when only one container is in use and/or before final disposal

Flovac® Reusable Container

1000 ml / 2000 ml / 3000 ml

OVERFLOW VALVE

FLOVAC® disposable containers are equipped with a GORE™ Medical Membrane hydrophobic filter with antibacterial, anti-foaming and electrosurgical smoke protection.



SUPPORT RING

A support ring with a spring clip allows the suction tube to be easily fixed in to avoid obstructions.



The disposable soft LINER is made in polyethylene and is hermetically welded to a rigid lid inside which the hydrophobic, antireflux and antibacterial filter is placed. This filter also operates as overflow valve system deactivating suction whenever maximum fill capacity is reached. The liner has to be placed in its dedicated reusable and autoclavable FLOVAC® rigid CONTAINER in polycarbonate. FLOVAC® systems replace therefore the use of autoclavable jars, decreasing the costs for cleaning and sterilization. A full line of accessories make FLOVAC® line the ideal partner for collecting liquids and fluids.

FLOVAC® LINER TECHNICAL FEATURES

| | |
|-----------------------------|--|
| Lid material | HDPE (high density polyethylene) |
| "VACUUM" port | Conic connector, female |
| "PATIENT" port | Ø 14.0 ÷ 15.5 mm (Ø 8.0 ÷ 9.2 mm with elbow connector) |
| "TANDEM" port | Ø 8.0 ÷ 9.2 mm |
| Maximum suction value | -750 mbar (-570 mm Hg) |
| Maximum graduation interval | 50 ml |
| Patient hose size | Inner Ø ≥ 6 mm L=2.5 m max |
| Vacuum hose size | Inner Ø ≥ 6 mm L=1.8 m max |

FLOVAC® FILTER TECHNICAL FEATURES

| | |
|---------------------------------|---|
| Filtration efficiency (typical) | >99.999995% with particle size of 0.1µ |
| Membrane | 100% expanded PTFE GORE™ Medical Membrane |
| Prefilter | micro fiberglass |
| Support | non-woven PE/PES |

| | | |
|--|-----------|---|
| Support ring for FLOVAC® container (all sizes) with 25x5 slide | 970010210 | 1 |
| Support ring for FLOVAC® container (all sizes) with 30x5 slide | 970010220 | |
| Support ring for FLOVAC® container (all sizes) with 41x4 slide (also suitable for BAXTER wall slide) | 970010214 | |
| Support ring for FLOVAC® container with 45x5 slide (also suitable for ABBOT wall slide) | 970010215 | |
| Support ring for autoclavable jars (1000 and 2000 ml) with 25x5 slide | 920200422 | |
| ON-OFF tap for mounting on FLOVAC® container support ring | 000010057 | 2 |
| ON-OFF tap with control vacuum gauge for mounting on FLOVAC® container support ring | 000010056 | |
| Plastic wall slide 25x5 | 920200004 | 3 |
| Plastic wall slide 30x5 | 920200029 | |
| Plastic wall slide 45x5 | 920200477 | |
| Metal clamp (chrome-plated) for 30x10 rail with slide 25x5 | 000230000 | 4 |
| Plastic clamp (technopolymer) for 30x10 rail with slide 25x5 | 000230500 | |
| 4-place trolley for FLOVAC® container with support ring, ON-OFF tap and control vacuum gauge | 000260950 | 5 |
| 4-place trolley for FLOVAC® container with support ring, ON-OFF tap and control vacuum regulator | 000260955 | |
| 4-place trolley for FLOVAC® with support ring | 000260953 | |
| 2-place trolley for FLOVAC® container with support ring, ON-OFF tap and control vacuum gauge | 000260951 | |
| 2-place trolley for FLOVAC® container with support ring, ON-OFF tap and control vacuum regulator | 000260956 | |
| 2-place trolley for FLOVAC® with support ring | 000260954 | 6 |
| Tandem tube Ø 8x11 L=0.38 m for cascade connection | 970010120 | |
| Disposable vacuum breaker | 000320000 | |
| Disposable vacuum breaker with 1.8m hose | 000320010 | 8 |
| Specimen container | 000036100 | 9 |



SPARE ACCESSORIES

| | ASPIRET ASKIR 20 ASKIR 30 ASKIR 230-12V BR ASKIR 30 12V | ASKIR 36 BR ASKIR 36 LI-ION ASKIR 118 ASKIR 118 BASIC | EMIVAC | ASKIR C30 ASKIR C30 BR | HOSPIVAC 350 HOSPIVAC 400 HOSPIVAC BR |
|--|---|--|-----------------------|---------------------------|---|
| SET of silicone TUBES, FILTERS and CONICAL CONNECTORS | | | | | |
|  | Tube Ø6x10mm Conical connector | RE 210355 | | RE 210355/01 | |
| | Tube Ø6x10mm Conical connector Antibacterial filter | SP 0036 | | SP 0043 | |
|  | Tube Ø 8 x 14 mm Conical connector | | RE 210355/03 | | RE 210355/03 |
|  | Tube Ø 8 x 14 mm Conical connector Antibacterial filter | | SP 0036/02 | | SP 0032/01 (for 350 and BR) SP 0032 (for Hospivac 400) |
|  | FLOVAC® liners Tube Ø6x10mm Conical connector | SP 0158/01 | | | |
| | FLOVAC® liners Tube Ø8x14mm Conical connector | | SP 0160/01 | | SP 0160/01 |
| | Roll of silicone tube Ø6x10 mm | Length 1m = SP 0045/02 - Length 10m = SP 0045/03 - Length 50m = SP 0045/04 | | | |
| | Roll of silicone tube Ø8X14 mm | Length 1m = SP 0045/05 - Length 10m = SP 0045/06 - Length 50m = SP 0045/07 | | | |
| MALE CONNECTORS | | | | | |
|  | Ø 8-9-10 mm (pack of 5's) | SP 0223 | SP 0223 | SP 0223 | SP 0223 |
| CONICAL CONNECTORS | | | | | |
|  | Ø 8-9-10 mm | RE 210410 | | RE 210410 | |
| | Ø 10-11-12 mm | | RE 210420 | | RE 210420 |
| FILTERS (Antibacterial and Hydrophobic) | | | | | |
|  | Ø 64 with 8 mm connector | SP 0046 | | SP 0046 | |
| | Ø 64 with 11mm connector | | SP 0121 | | SP 0121 (350 and BR only) |
| | Ø 90 with 11mm connector | | | | SP 0047 (for 400 only) |
| ASPIRATION PROBES | | | | | |
|  | CH20 | RE 210400 (10 pcs) | RE 210400 (10 pcs) | | RE 210400 (10 pcs) |
| YANKAUER CANNULAS | | | | | |
|  | Yankauer Handle Flat Tip with Hole | 2044403 | 2044403 | 2044403 | 2044403 |
|  | Yankauer Handle Crown Tip with Hole | 2044401 | 2044401 | 2044401 | 2044401 |
|  | Yankauer Tube L= 180 | 204413018 | 204413018 | 204413018 | 204413018 |
| CATHETER CONTAINER | | | | | |
|  | Tube of polycarbonate Ø 54 mm by 400 mm length. Fully autoclavable (121°C - 15 min) | | | | 000032 |
| SILICONE FETAL VACUUM CUPS | | | | | |
|  | Length 210 mm, Ø 50 mm, size XS | | | VC-95100 | VC-95100 |
| | Length 210 mm, Ø 60 mm, size S | | | VC-95200 | VC-95200 |
| | Length 210 mm, Ø 70 mm, size M | | | VC-95300 | VC-95300 |

| ASPIRET ASKIR 20 ASKIR 30 ASKIR 230-12V BR ASKIR 30 12V | ASKIR 36 BR ASKIR 36 LI-ION ASKIR 118 ASKIR 118 BASIC | EMIVAC | ASKIR C30 ASKIR C30 BR | HOSPIVAC 350 HOSPIVAC 400 HOSPIVAC BR |
|---|--|--------|---------------------------|---|
|---|--|--------|---------------------------|---|

VACUUM GAUGE in mmHg and Kpa

| | | | | |
|------------------------------|--------------------------|-------------------------------|---------|---------|
| Ø 40 mm with graduated scale | SP 0018 (for Aspiret) | | | |
| Ø 50 mm with graduated scale | SP 0017 (for Askir) | SP 0017 (except ASKIR 118) | SP 0017 | |
| Ø 63 mm with graduated scale | | | | SP 0073 |

ELECTRONIC BOARD

| | | | | |
|--------------------------------------|---------|---------|------------|------------|
| for ASKIR 36 LI-ION, ASKIR 118 BASIC | | SP 0272 | | |
| for ASKIR 230/12V BR, ASKIR 36BR | SP 0205 | SP 0205 | | |
| for ASKIR C30 - FS version | | | SP 0107 | |
| for ASKIR C30 BR | | | SP 0205/01 | |
| for HOSPIVAC – BASIC version | | | | SP 0107/02 |
| for HOSPIVAC – version FS and FULL | | | | SP 0107/03 |
| for HOSPIVAC BR | | | | SP 0271 |



ON/OFF SWITCH

| | | | | |
|---|------------|------------|------------|------------|
| Pack of 2's for ASPIRET, ASKIR 20 and 30 | SP 0009/04 | | | |
| Pack of 2's for ASKIR 230/12V BR, 36 BR, C30 BR | SP 0009/08 | SP 0009/08 | SP 0009/08 | |
| Pack of 1's for ASKIR C30, HOSPIVAC – BASIC | | | SP 0009/07 | SP 0009/07 |

BATTERY PACK

| | | | | |
|---|------------|------------|------------|------------|
| Lead type for ASKIR 230/12V BR, 36 BR, C30 BR | SP 0012/01 | SP 0012/01 | SP 0012/01 | |
| Li-ion type for ASKIR 36 LI-ION, 118, 118 BASIC | | SP 0012/03 | | |
| Lead type for HOSPIVAC BR | | | | SP 0012/04 |

WALL MOUNT

| | | | | |
|---|------------------------------------|---------------------------|--|--|
|  For ambulance, with recharge and operation function (12V 4A) | | ASU 118 (118-WM only) | | |
|  Wall mount for support | 27736 (except Aspiret and Twin) | 27736 (36 models only) | | |

FOOT-SWITCH CONTROL

| | | | | | |
|--|--|--|--|----------------------------|-----------------------------|
|  Footswitch intermittent or continuous operation | | | | SP 0068/01 (FS version) | SP 0068/01 (FS and FULL) |
|--|--|--|--|----------------------------|-----------------------------|

STAND on CASTORS

| | | | | | |
|---|----------------------------|----------------------------|--|---------|-------------------------------|
|  Stand on 5 castors with brakes (antistatic upon request) | 27731 (for ASPIRET) | 27730 (36BR and LI-ION) | | SP 0213 | SP 0113/01 (BASIC version) |
|  Base on 4 antistatic castors only for HOSPIVAC | 27730 (for ASKIR serie) | | | | SP 0113/03 (FS and FULL) |

POWER ADAPTER

| | | | | | |
|----------------------------------|--------------------------------|--------------------------------|--|----------------------------|--|
| Car adapter 12V for ASKIR 30 12V | SP 0021/01 | SP 0007/02 (not for 118 WM) | | | |
| Car adapter 12V | SP 0007/02 (for 230 12V BR) | | | | |
| Power adapter AC/DC | SP 0208/01 (for 230 12V BR) | SP 0208/01 | | SP 0208/01 (for C30 BR) | |
| Power cord | SP 0020/03 (for 230 12V BR) | SP 0020/03 | | SP 0020/03 (for C30 BR) | |

CARRY BAG

| | | | | | |
|--|------------|------------|--|--|--|
|  for any model with 1000 ml jar | SP 0207/02 | SP 0207/02 |  | | |
| for any model with 2000 ml jar | SP 0207 | SP 0207 | | | |
| for ASKIR 118 | | SP 0207/01 | | | |

DESK-TYPE suction units



| MODEL | TYPE of JAR / CONFIGURATION | REF- NO. |
|--------------------------------|--|--|
| NEW ASPIRET: | 1000ml Autoclavable Jar in Makrolon® (max 121°C) 2000ml Autoclavable Jar in Makrolon® (max 121°C) 1000ml Autoclavable Jar in Apec® (max 143°C) 2000ml Autoclavable Jar in Apec® (max 143°C) 1000ml Flovac® Disposable Liner 2000ml Flovac® Disposable Liner | RE 310001 RE 310001/01 RE 310001/19 RE 310001/20 RE 310002 RE 310002/01 |
| NEW ASKIR 20: | 1000ml Autoclavable Jar in Makrolon® (max 121°C) 2000ml Autoclavable Jar in Makrolon® (max 121°C) 1000ml Autoclavable Jar in Apec® (max 143°C) 2000ml Autoclavable Jar in Apec® (max 143°C) 1000ml Flovac® Disposable Liner 2000ml Flovac® Disposable Liner | RE 310100/12 RE 310100/13 RE 310100/64 RE 310100/70 RE 310101/12 RE 310101/13 |
| NEW ASKIR 30: | 1000ml Autoclavable Jar in Makrolon® (max 121°C) 2000ml Autoclavable Jar in Makrolon® (max 121°C) 1000ml Autoclavable Jar in Apec® (max 143°C) 2000ml Autoclavable Jar in Apec® (max 143°C) 1000ml Flovac® Disposable Liner 2000ml Flovac® Disposable Liner | RE 310100/02 RE 310100/03 RE 310100/74 RE 310100/63 RE 310101/02 RE 310100/53 |
| NEW ASKIR 30 Proximity: | 1000ml Autoclavable Jar in Makrolon® (max 121°C) 2000ml Autoclavable Jar in Makrolon® (max 121°C) 1000ml Autoclavable Jar in Apec® (max 143°C) 2000ml Autoclavable Jar in Apec® (max 143°C) 1000ml Flovac® Disposable Liner 2000ml Flovac® Disposable Liner | RE 310100/02 RE 310100/03 RE 310100/75 RE 310100/62 RE 310101/02 RE 310100/53 |

EMERGENCY suction units



| MODEL | TYPE of JAR / CONFIGURATION | REF- NO. |
|-------------------------|--|--|
| NEW ASKIR 30 12V | 1000ml Autoclavable Jar in Makrolon® (max 121°C) 2000ml Autoclavable Jar in Makrolon® (max 121°C) 1000ml Autoclavable Jar in Apec® (max 143°C) 2000ml Autoclavable Jar in Apec® (max 143°C) 1000ml Flovac® Disposable Liner 2000ml Flovac® Disposable Liner | RE 310150/02 RE 310150/05 RE 310150/10 RE 310150/11 RE 310150/12 RE 310150/13 |
| NEW EMIVAC | 400 ml Autoclavable Jar in Polycarbonate | RE 310300 |

ON CASTORS
suction units



| MODEL | | TYPE of JAR / CONFIGURATION | REF- NO. |
|-------------------------|---|---|--------------|
| ASKIR C30 | BASIC | Double 2000ml Autoclavable Jars in Makrolon® (max 121°C) | RE 410250 |
| | FS | Double 2000ml Makrolon® Jars + Footswitch | RE 410250/01 |
| | BASIC AP | Double 2000ml Autoclavable Jars in Apec® (max 143°C) | RE 410250/16 |
| | FS AP | Double 2000ml Apec® Jars + Footswitch | RE 410250/15 |
| | BASIC FLOVAC | Double 2000ml Flovac® Disposable Liners | RE 410250/10 |
| | FS FLOVAC | Double 2000ml Flovac® Liners + Footswitch | RE 410250/14 |
| NEW HOSPIVAC 350 | BASIC 2 | Double 2000ml Autoclavable Jars in Makrolon® (max 121°C) | RE 410356 |
| | FS 2 | Double 2000ml Makrolon® Jars + Footswitch | RE 410356/06 |
| | FULL 2 | Double 2000ml Makrolon® Jars + Footswitch + Change-Over | RE 410356/01 |
| | BASIC 5 | Double 5000ml Autoclavable Jars in Makrolon® (max 121°C) | RE 410356/39 |
| | FS 5 | Double 5000ml Makrolon® Jars + Footswitch | RE 410356/40 |
| | FULL 5 | Double 5000ml Makrolon® Jars + Footswitch + Change-Over | RE 410356/41 |
| | BASIC PSU 2 | Double 2000ml Autoclavable Jars in Polysulfone | RE 410356/59 |
| | FS PSU 2 | Double 2000ml Polysulfone Jars + Footswitch | RE 410356/60 |
| | FULL PSU 2 | Double 2000ml Polysulfone Jars + Footswitch + Change-Over | RE 410356/61 |
| | BASIC PSU 5 | Double 5000ml Autoclavable Jars in Polysulfone | RE 410356/62 |
| | FS PSU 5 | Double 5000ml Polysulfone Jars + Footswitch | RE 410356/63 |
| | FULL PSU 5 | Double 5000ml Polysulfone Jars + Footswitch + Change-Over | RE 410356/64 |
| | BASIC AP 2 | Double 2000ml Autoclavable Jars in Apec® (max 121°C) | RE 410356/56 |
| | FS AP 2 | Double 2000ml Apec® Jars + Footswitch | RE 410356/38 |
| | FULL AP 2 | Double 2000ml Apec® Jars + Footswitch + Change-Over | RE 410356/55 |
| | BASIC AP 5 | Double 5000ml Autoclavable Jars in Apec® (max 121°C) | RE 410356/58 |
| | FS AP 5 | Double 5000ml Apec® Jars + Footswitch | RE 410356/54 |
| | FULL AP 5 | Double 5000ml Apec® Jars + Footswitch + Change-Over | RE 410356/43 |
| | BASIC FLOVAC 2 | Double 2000ml Flovac® Liners | RE 410356/27 |
| | FS FLOVAC 2 | Double 2000ml Flovac® Liners + Footswitch | RE 410356/29 |
| | FULL FLOVAC 2 | Double 2000ml Flovac® Liners + Footswitch + Change-Over | RE 410356/28 |
| BASIC FLOVAC 3 | Double 3000ml Flovac® Liners | RE 410356/02 | |
| FS FLOVAC 3 | Double 3000ml Flovac® Liners + Footswitch | RE 410356/09 | |
| FULL FLOVAC 3 | Double 3000ml Flovac® Liners + Footswitch + Change-Over | RE 410356/30 | |
| NEW HOSPIVAC 400 | BASIC 2 | Double 2000ml Autoclavable Jars in Makrolon® (max 121°C) | RE 410350 |
| | FS 2 | Double 2000ml Makrolon® Jars + Footswitch | RE 410350/09 |
| | FULL 2 | Double 2000ml Makrolon® Jars + Footswitch + Change-Over | RE 410350/01 |
| | BASIC 5 | Double 5000ml Autoclavable Jars in Makrolon® (max 121°C) | RE 410350/36 |
| | FS 5 | Double 5000ml Makrolon® Jars + Footswitch | RE 410350/37 |
| | FULL 5 | Double 5000ml Makrolon® Jars + Footswitch + Change-Over | RE 410350/38 |
| | BASIC PSU 2 | Double 2000ml Autoclavable Jars in Polysulfone | RE 410350/57 |
| | FS PSU 2 | Double 2000ml Polysulfone Jars + Footswitch | RE 410350/58 |
| | FULL PSU 2 | Double 2000ml Polysulfone Jars + Footswitch + Change-Over | RE 410350/59 |
| | BASIC PSU 5 | Double 5000ml Autoclavable Jars in Polysulfone | RE 410350/60 |
| | FS PSU 5 | Double 5000ml Polysulfone Jars + Footswitch | RE 410350/61 |
| | FULL PSU 5 | Double 5000ml Polysulfone Jars + Footswitch + Change-Over | RE 410350/62 |
| | BASIC AP 2 | Double 2000ml Autoclavable Jars in Apec® (max 121°C) | RE 410350/40 |
| | FS AP 2 | Double 2000ml Apec® Jars + Footswitch | RE 410350/46 |
| | FULL AP 2 | Double 2000ml Apec® Jars + Footswitch + Change-Over | RE 410350/33 |
| | BASIC AP 5 | Double 5000ml Autoclavable Jars in Apec® (max 121°C) | RE 410350/48 |
| | FS AP 5 | Double 5000ml Apec® Jars + Footswitch | RE 410350/39 |
| | FULL AP 5 | Double 5000ml Apec® Jars + Footswitch + Change-Over | RE 410350/47 |
| | BASIC FLOVAC 2 | Double 2000ml Flovac® Liners | RE 410350/08 |
| | FS FLOVAC 2 | Double 2000ml Flovac® Liners + Footswitch | RE 410350/03 |
| | FULL FLOVAC 2 | Double 2000ml Flovac® Liners + Footswitch + Change-Over | RE 410350/11 |
| BASIC FLOVAC 3 | Double 3000ml Flovac® Liners | RE 410350/27 | |
| FS FLOVAC 3 | Double 3000ml Flovac® Liners + Footswitch | RE 410350/28 | |
| FULL FLOVAC 3 | Double 3000ml Flovac® Liners + Footswitch + Change-Over | RE 410350/25 | |

DESK-TYPE
BATTERY
OPERATED
suction units



| MODEL | TYPE of JAR / CONFIGURATION | REF- NO. |
|-------------------------------|--|---|
| NEW ASKIR 118 | 1000ml Autoclavable Jar in Makrolon® (max 121°C) 1000ml Autoclavable Jar in Apec® (max 143°C) 1000ml Flovac® Disposable Liner | RE 410151 RE 410151/05 RE 410151/02 |
| NEW ASKIR 118-WM | 1000ml Autoclavable Jar in Makrolon® (max 121°C) 1000ml Autoclavable Jar in Apec® (max 143°C) 1000ml Flovac® Disposable Liner | RE 410150 RE 410150/05 RE 410150/02 |
| NEW ASKIR 118 BASIC | 1000ml Autoclavable Jar in Makrolon® (max 121°C) 1000ml Autoclavable Jar in Apec® (max 143°C) 1000ml Flovac® Disposable Liner | RE 410171 RE 410171/03 RE 410171/01 |
| NEW ASKIR 118 BASIC-WM | 1000ml Autoclavable Jar in Makrolon® (max 121°C) 1000ml Autoclavable Jar in Apec® (max 143°C) 1000ml Flovac® Disposable Liner | RE 410170 RE 410170/03 RE 410170/01 |
| NEW ASKIR 230/12V BR | 1000ml Autoclavable Jar in Makrolon® (max 121°C) 2000ml Autoclavable Jar in Makrolon® (max 121°C) 1000ml Autoclavable Jar in Apec® (max 143°C) 2000ml Autoclavable Jar in Apec® (max 143°C) 1000ml Flovac® Disposable Liner 2000ml Flovac® Disposable Liner | RE 310211 RE 310211/01 RE 310211/06 RE 310211/11 RE 310211/03 RE 310211/04 |
| ASKIR 36BR (LEAD) | 1000ml Autoclavable Jar in Makrolon® (max 121°C) 2000ml Autoclavable Jar in Makrolon® (max 121°C) 1000ml Autoclavable Jar in Apec® (max 143°C) 2000ml Autoclavable Jar in Apec® (max 143°C) 1000ml Flovac® Disposable Liner 2000ml Flovac® Disposable Liner | RE 410200/03 RE 410200/09 RE 410200/10 RE 410200/12 RE 410201 RE 410201/01 |
| ASKIR 36BR (LI-ION) | 1000ml Autoclavable Jar in Makrolon® (max 121°C) 2000ml Autoclavable Jar in Makrolon® (max 121°C) 1000ml Autoclavable Jar in Apec® (max 143°C) 2000ml Autoclavable Jar in Apec® (max 143°C) 1000ml Flovac® Disposable Liner 2000ml Flovac® Disposable Liner | RE 410205 RE 410205/01 RE 410205/04 RE 410205/05 RE 410205/02 RE 410205/03 |

ON CASTORS
BATTERY
OPERATED
suction units



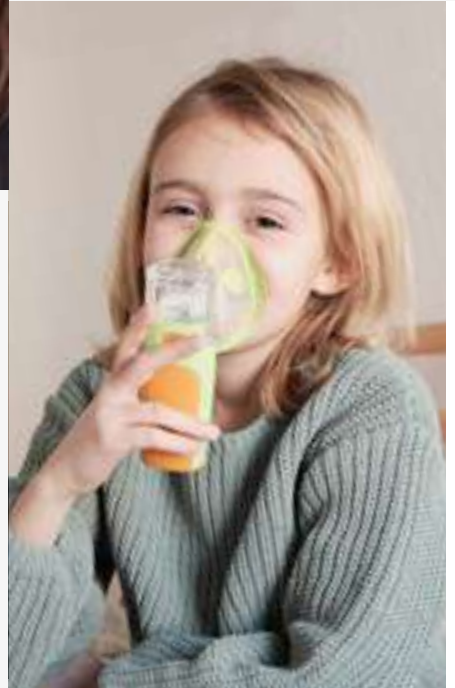
| MODEL | | TYPE of JAR / CONFIGURATION | REF- NO. |
|------------------------|--|--|---|
| ASKIR C30 BR | BASIC BASIC AP BASIC FLOVAC | Double 2000ml Autoclavable Jars in Makrolon® (max 121°C) Double 2000ml Autoclavable Jars in Apec® (max 143°C) Double 2000ml Flovac® Disposable Liners | RE 410251 RE 410251/03 RE 410251/01 |
| NEW HOSPIVAC BR | FULL 2 FULL 5 FULL FLOVAC 2 FULL FLOVAC 3 | Double 2000ml Makrolon® Jars + Footswitch + Change-Over Double 5000ml Makrolon® Jars + Footswitch + Change-Over Double 2000ml Flovac® Liners + Footswitch + Change-Over Double 3000ml Flovac® Liners + Footswitch + Change-Over | RE 410400 RE 410400/03 RE 410400/01 RE 410400/02 |

CA-MI

Italian Medical Touch



SURGICAL SUCTION UNITS



2021 HEALTHCARE CATALOGUE



CA-MI

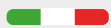
Italian
Medical
Touch

COMPANY PROFILE

Located nearby Parma, in the North of Italy, CA-MI is an Italian family-run factory founded in 1984 and committed to the production of electromedical equipments and medical devices in different fields, such as RESPIRATORY CARE, DIAGNOSTICS, REHABILITATION, WELLNESS, BABY CARE, and SUCTION.

The expertise and know-how achieved in over 30 years led CA-MI in the position to export into more than 100 countries and to provide comprehensive answers to the home-care market and medical operators.

Visitors are welcome to meet the members of the CA-MI Export Team at the major international exhibitions: Medica in Dusseldorf (D), Arab Health in Dubai (UAE), FIME in Miami (USA), Medica Asia in Singapore, where CA-MI is costantly present with the entire range of medical devices.



ITALIAN QUALITY



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ITALIAN QUALITY CERTIFIED WORLDWIDE

Relying on in-house R&D and design departments, all CA-MI suction devices and compressor nebulizers are either manufactured or designed in Italy using state-of-the-art and wear resistant materials, in compliance with all the directives in force.

UNI EN ISO 9001:2015

Quality Management System.

EN ISO 13485:2016

Medical devices - Quality management systems - Requirements for regulatory purposes.

DEVICES CLASSIFICATION CLASS IIA MEDICAL DEVICES

Suction units, aerosol delivery systems, jet nebulizers, inhalators, nasal irrigator, blood pressure monitors, thermometers, finger pulse oximeters.

CLASS IM WITH FUNCTION OF MEASURE

Aneroid and palm-type sphygmomanometers, suction containers, disposable liners and mercury-free clinical thermometers.

CLASS I NON-STERILE

Incentive spirometers, antidecubitus mattress, medical stockings, wheelchairs and walkers, stethoscopes.

Technical data, equipment and options shown are based on the latest information available at the time of printing and are subject to change without notice.



RESPIRATORY

AEROSOL DELIVERY SYSTEMS

 RESPIRATORY made in Italy

ABOUT AEROSOL THERAPY

Aerosol therapy is the **administration of a treatment in the form of aerosol into the respiratory tract** for therapeutic purposes. When medications are not available in aerosol form such as an MDI, but only in solutions, nebulizers can turn the liquid into suspended particles that carry the active principle to the patient by inhalation.

CA-MI manufactures nebulizers with different technologies indicated for the treatment of any respiratory disorder, from **administering physiological/hypertonic solutions** as mucus thinners (mucolytics), to **treating seasonal pathologies** such as cold and cough, and **acute and chronic pathologies** of the upper and lower airways.

PARAMETERS & TREATMENTS

Different types of treatments can be generated, according to a few parameters, namely:

MMD OR MMAD

The mean particle size, expressed in micron (μm)

NEB-RATE

The speed of nebulization, expressed in ml/min

RESPIRABLE FRACTION

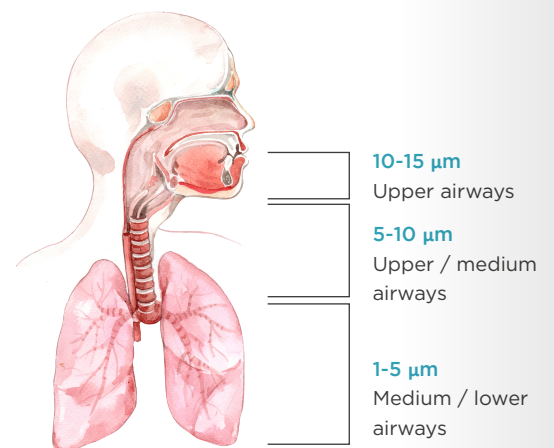
The amount of particles with diameter $<5\mu\text{m}$

RESIDUAL VOLUME

The amount of medication that cannot be nebulized

WASTED VOLUME

The amount of medication wasted during exhalation



The **mean particle size (MMAD)** is particularly important, because depending on diameter of the particles, **different areas of the respiratory tract are reached and thus different pathologies or disorders can be treated.**

TINY & NOISELESS

CA-MI **vibrating mesh nebulizers** are small hand-held nebulizers that generate the aerosol by a mesh vibrating at high frequency, micronizing the medicine without producing any sound.

A new system which finds more and more applications, not only for children, enjoying the **soundless operation**, but also towards adults, appreciating the **small size, the versatility and the light weight** of this revolutionary aerosol system.

LONG LASTING BATTERIES

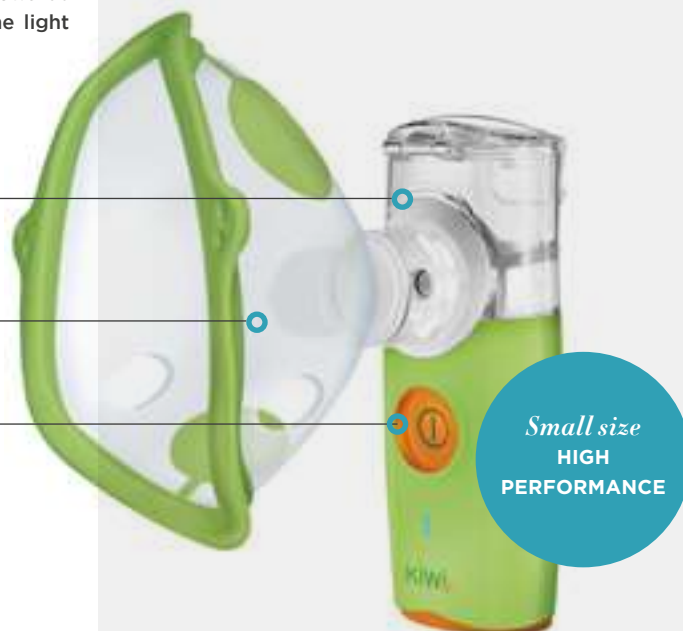
Can administer up to 20 treatment cycles with one charge

REDUCED RESIDUAL VOLUME

The amount of drug left in the nebulizer after the treatment is < 0,1ml

AUTO CLEANING FUNCTION

Reduces the risk of annoying clogging of the mesh caused by improper cleaning at the end of each use



▲ Kiwi+, p. 5



▲ Evolution, p. 6

A PLACE FOR EACH ACCESSORY

CA-MI always designs its devices with its customers' needs in mind: the aerosol delivery system line includes **handy and compact models** provided with a **carrying bag** for storage of the unit, accessories and medicines, or **table-top models with a built-in compartment** designed for accessories and medicines storage.

DURABLE & EFFICIENT

CA-MI **compressor nebulizers** are characterized by a main unit, the piston-type compressor, and the jet nebulizer, which is a chamber turning the liquid medicine into aerosol.

CA-MI compressors are approved for **Non-Stop Operation** and do not require any oil lubrication or maintenance, making them suitable for both **prolonged homecare use and intensive professional use in the hospitals**.

Additionally, a specific attention is dedicated to emergency and ambulances: micropiston compressors are placed in miniaturized housings to create devices powered by rechargeable batteries and 12V car adapter.

SAFE & STABLE

All CA-MI jet nebulizers are made with **safe biocompatible material** which passed stability test with the most prescribed active principles, **guaranteeing that no alteration of the drugs** takes place.

Tested medicines are: *Ambroxol, Salbutamol, Beclometasone Dipropionate, Acetylcysteine and Budesonide.*

FARMASOL

HEMOCARE COMPRESSOR NEBULIZER



Non-stop operation

The device can work without interruption, in order to guarantee the best performance.



Compact Design

Ideal for easy handling, equipped with carrying bag for storing accessories and medicines.



Fast & efficient

Fast HI-FLO Nebulizer, 7ml capacity, takes only 4 minutes with 2,5 ml of drug (0,5ml/min).



Quiet

Noise level comparable to the volume of a conversation (-60dB(A)).



Excellent nebulization

MMAD: 3,25 µm, respirable fraction >70%.

INCLUDED ACCESSORIES

HI-FLO

jet nebulizer (see page 10)

ADULT MASK + CHILD MASK

with elastic strings

MOUTHPIECE + NOSEPIECE

non-invasive

AIR TUBE

AIR FILTER

POWER CORD

detachable

CARRYING BAG

for safe storage and transport

PRODUCT CODE RE 300230/01

KUBYNEB

HEMOCARE COMPRESSOR NEBULIZER



Non-stop operation

The device can work without interruption, in order to guarantee the best performance.



A place for each accessory

Designed to store accessories and medicines inside the dedicated large compartment.



Fast & efficient

Fast HI-FLO Nebulizer, 7ml capacity, takes only 4 minutes with 2,5 ml of drug (0,5ml/min).



Quiet

Noise level comparable to the volume of a conversation (-60dB(A)).



Excellent nebulization

MMAD: 3,25 µm, respirable fraction >70%, residual volume: 0,40 - 0,50 ml.

INCLUDED ACCESSORIES

HI-FLO

jet nebulizer (see page 10)

ADULT MASK + CHILD MASK

with elastic strings

MOUTHPIECE + NOSEPIECE

non-invasive

AIR TUBE

AIR FILTER

POWER CORD

detachable

PRODUCT CODE RE 300240

MINIMAX

HOME CARE COMPRESSOR NEBULIZER



Small size, high performance

Tiny and handy, yet powerful. Bring it anywhere thanks to its handy carrying bag.



Fast & efficient

Fast HI-FLO Nebulizer, takes less than 5 minutes with 2,5 ml of drug (0,35 ml/min).



Quiet

Noise level comparable to the volume of a conversation (-60dB(A)).



Excellent nebulization

MMAD: 2,44 μ m, respirable fraction >80%, residual volume: 0,40 - 0,50 ml.

INCLUDED ACCESSORIES

HI-FLO

jet nebulizer (see page 10)

ADULT MASK + CHILD MASK

with elastic strings

MOUTHPIECE + NOSEPIECE

non-invasive

AIR TUBE

AIR FILTER

POWER CORD

detachable

CARRYING BAG

for safe storage and transport

PRODUCT CODE RE 300250



KIWI+

MOBILE MESH NEBULIZER



Fast & efficient

Second generation mesh nebulizer, 8ml capacity, takes only 6 minutes with 2,5 ml of drug (0,30ml/min).



Long lasting batteries

The lithium batteries last up to 1100 hours of operation or 300 charging cycles, making it the ideal device for travelling.



Always with you

Tiny and easily transportable thanks to its small size. It can be operated by lithium battery and easily stored.



Baby friendly

Easy to hold thanks to its small size and pleasant to hear thanks to its low noise level (38,2dB(A)),



High-quality accessories

Equipped with a wide range of accessories with comfortable soft touch finishings.



Autocleaning function

Reduces the risk of annoying clogging of the mesh caused by improper cleaning at the end of each use.



Excellent nebulization

Fine particle size of 1,51 micron, 93% of which is <5 micron and <0,1ml residual volume.

INCLUDED ACCESSORIES

VIBRATING MESH CHAMBER

2nd generation

ADULT MASK + CHILD MASK

with soft touch finishing

MOUTHPIECE + NOSEPIECE

non-invasive

CARRYING CASE

for safe storage and transport.

AC/DC UNIVERSAL POWER ADAPTER

100-240V 50-60Hz

LITHIUM BATTERY

PRODUCT CODE RE 300911

MOBILE

MOBILE MICROCOMPRESSOR NEBULIZER



Designed for emergency

Can be powered by batteries or with car adapter.



Always with you

Reduced size and weight thanks to miniaturized micropiston compressor system.



Quiet

Vibration Reduction System (VRS), with reduced noise and vibration levels (Noise level =50 dB(A)).



Suitable for all ages

Can be used by adult and children thanks to the many included accessories.



Excellent nebulization

MMAD: 3µm, respirable fraction >75%, residual volume: 0,40 - 0,50 ml.

INCLUDED ACCESSORIES

HI-FLO

jet nebulizer (see page 10)

ADULT MASK + CHILD MASK

with elastic strings

MOUTHPIECE + NOSEPIECE

non-invasive

AIR TUBE

AIR FILTER

BUILT IN BATTERY CHARGER

12V CAR ADAPTER

UNIVERSAL POWER ADAPTER

CARRYING BAG

for safe storage and transport

PRODUCT CODE RE 300700

CLINEB BASIC

PROFESSIONAL AEROSOL DELIVERY SYSTEM



Heavy duty

A truly powerful piston which can work without any interruption, to guarantee the best professional performance without any interruption.



A place for each accessory

Designed to store accessories and medicines inside the dedicated large compartment.



Fast & efficient

Takes only 2:30 minutes with 2 ml of drug (0,8ml/min) at its highest speed.



Durable materials

Made of sturdy and long lasting ABS plastic.



Easily transportable

Can be placed on the optional trolley.



Excellent nebulization

MMAD: 3,25 μ m, respirable fraction >70%, residual volume: 0,50 - 0,60 ml.

INCLUDED ACCESSORIES

HI-FLO

jet nebulizer (see page 10)

ADULT MASK + CHILD MASK

with elastic strings

MOUTHPIECE & NOSEPIECE

non-invasive

AIR TUBE

AIR FILTER

PRODUCT CODE RE 300550/03

CLINEB PRO

PROFESSIONAL AEROSOL DELIVERY SYSTEM



Professional Use

Equipped with flow regulator and pressure gauge.



Heavy duty

A truly powerful piston which can work without any interruption, to guarantee the best professional performance without any interruption.



Multiple speed

Variable speed HI-4 Jet Nebulizer, 8ml capacity, takes only 2:30 minutes with 2 ml of drug (0,8ml/min) at its highest speed.



A place for each accessory

Designed to store accessories and medicines inside the dedicated large compartment.



Fast & efficient

Takes only 2:30 minutes with 2 ml of drug (0,8ml/min) at its highest speed.



Excellent nebulization

MMAD: 3,32 - 4,18 μ m, respirable fraction >80%, residual volume: 0,40 - 0,60 ml.

INCLUDED ACCESSORIES

HI-4

4-speed jet nebulizer (see page 10)

ADULT MASK + CHILD MASK

with elastic strings

MOUTHPIECE & NOSEPIECE

non-invasive

AIR TUBE

POWER CORD

with Schuko plug

PRODUCT CODE RE 300560

EVOLUTION

PROFESSIONAL AEROSOL DELIVERY SYSTEM



Professional Use

Equipped with flow regulator and pressure gauge.



Heavy duty

The only piston-type compressor without air vents that can operate non-stop, meeting the requirements of the most demanding professionals.



Multiple speed

Variable speed HI-4 Jet Nebulizer, 8ml capacity, takes only 2:30 minutes with 2 ml of drug (0,8ml/min) at its highest speed.



A place for each accessory

Designed to store accessories and medicines inside the dedicated large compartment.



Fast & efficient

Takes only 2:30 minutes with 2 ml of drug (0,8ml/min) at its highest speed.



Excellent nebulization

MMAD: 3,32 - 4,18 μ m, respirable fraction >80%, residual volume: 0,40 - 0,60 ml.

INCLUDED ACCESSORIES

HI-4

4-speed jet nebulizer (see page 10)

ADULT MASK + CHILD MASK

with elastic strings

MOUTHPIECE & NOSEPIECE

non-invasive

AIR TUBE

AIR FILTER

PRODUCT CODE RE 300450

COMPACT

HOMECARE COMPRESSOR NEBULIZER



Non-stop operation

The device can work without interruption, in order to guarantee the best performance.



Fast & efficient

Fast HI-FLO Nebulizer, 7ml capacity, takes only 5 minutes with 2,5 ml of drug (0,5 ml/min).



A place for each accessory

Designed to store accessories and medicines inside the dedicated large compartment.



Quiet

Noise level as low as 60 dB(A).



Excellent nebulization

MMAD: 3,25 μ m, respirable fraction >70%, residual volume: 0,50 - 0,60 ml.

INCLUDED ACCESSORIES

HI-FLO

jet nebulizer (see page 10)

ADULT MASK + CHILD MASK

with elastic strings

MOUTHPIECE + NOSEPIECE

non-invasive

AIR TUBE

AIR FILTER

PRODUCT CODE RE 300200

MIKO

HEMOCARE COMPRESSOR NEBULIZER



Non-stop operation

The device can work without interruption, in order to guarantee the best performance.



Fast & efficient

Fast HI-FLO Nebulizer, 7ml capacity, takes only 6 minutes with 2,5 ml of drug (0,35 ml/min).



Compact Design

Ideal for easy handling, equipped with carrying bag for storing accessories and medicines.



Quiet

Noise level as low as 56 dB(A).



Excellent nebulization

MMAD: 2,44 μ m, respirable fraction >80%, residual volume: 0,40 -0,50 ml.

INCLUDED ACCESSORIES

HI-FLO

jet nebulizer (see page 10)

ADULT MASK + CHILD MASK

with elastic strings

MOUTHPIECE + NOSEPIECE

non-invasive

AIR TUBE

AIR FILTER

CARRYING BAG

for safe storage and transport

PRODUCT CODE RE 300600/03

EOLO

HEMOCARE COMPRESSOR NEBULIZER



Non-stop operation

The device can work without interruption, in order to guarantee the best performance.



Fast & efficient

Fast HI-FLO Nebulizer, 7ml capacity, takes only 6 minutes with 2,5 ml of drug (0,35 ml/min).



A place for each accessory

Designed to store accessories and medicines inside the dedicated large compartment.



Quiet

Noise level as low as 55 dB(A).



Excellent nebulization

MMAD: 2,44 μ m, respirable fraction >80%, residual volume: 0,40 -0,50 ml.

INCLUDED ACCESSORIES

HI-FLO

jet nebulizer (see page 10)

ADULT MASK + CHILD MASK

with elastic strings

MOUTHPIECE + NOSEPIECE

non-invasive

AIR TUBE

AIR FILTER

PRODUCT CODE RE 300400

HI-4

FOUR SPEED JET NEBULIZER



Professional Performance

Designed with two valves for a greater therapeutical effect of the nebulization.



Multiple speed

A speed selector can be set in 4 different positions to increase nebulization speed while maintaining an optimal MMAD.



Highly compatible

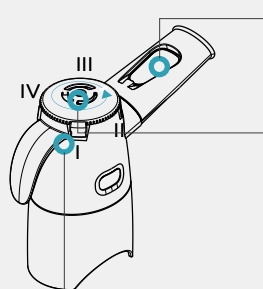
Passed stability test with the most prescribed active principles (Ambroxol, Salbutamol, Beclometasone Dipropionate, Acetylcysteine, Budesonide).



Excellent nebulization

8 ml capacity, MMAD ranging from 3,32 to 4,28 μm and neb-rate from 0,40 to 0,80 ml/min, depending on selected speed.

TECHNICAL SPECS



EXHALATION VALVE

Opens only during exhalation phase to let the medication out.

INHALATION VALVE

Opens only during inhalation, entraining additional ambient air into the chamber increasing dramatically the speed and quantity of delivered medication.

SPEED SELECTOR

Four different nebulization speeds.

| POS | NEB RATE | MMAD |
|-----|-------------|--------------------|
| I | 0,40 ml/min | 3,32 μm |
| II | 0,60 ml/min | 4,07 μm |
| III | 0,70 ml/min | 4,23 μm |
| IV | 0,80 ml/min | 4,18 μm |

AVAILABLE SETS

RE.300350 | COMPLETE SET IN DISPLAY BOX

HI-4 Jet Nebulizer, Adult and Child Masks with Elastic Strings and Connector, Mouthpiece, Nosepiece, Air Tube

RE.300350/01 | MOUTHPIECE SET

HI-4 Jet Nebulizer + Mouthpiece in display box

HI-FLO

SMALL VOLUME JET NEBULIZER



Professional Performance

Double Venturi effect providing fast nebulization.



Highly compatible

Passed stability test with the most prescribed active principles (Ambroxol, Salbutamol, Beclometasone Dipropionate, Acetylcysteine, Budesonide)



Excellent nebulization

6 ml capacity and high performances depending on operating flow and pressure.

TECHNICAL SPECS

| OPERATING FLOW | MMAD | GSD | OUTPUT | OUTPUT RATE |
|----------------|---------------------------------|------|---------------------------------|--|
| <i>l/min</i> | <i>μm</i> | | <i>μl</i> | <i>$\mu\text{l}/\text{min}$</i> |
| 4,0 | 4,25 | 2,67 | 313 | 128 |
| 5,0 | 2,44 | 2,87 | 304,7 | 56,7 |
| 5,2 | 3,25 | 3,45 | 257 | 51,0 |

Granulometry and output Analysis in accordance with: EN 13544-1.

FILL VOLUME: 2,5ml 2,5% NaF

AVAILABLE SETS

RE 300300 | HI-FLO SET IN NYLON BAG

HI-FLO Nebulizer, Adult and Child Mask, Mouthpiece, Nosepiece, Air Tube

RE 300300/09 | HI-FLO SET IN DISPLAY BOX

HI-FLO Nebulizer, Adult and Child Mask, Mouthpiece, Nosepiece, Air Tube

SP 0165

HI-FLO Nebulizer Chamber (only)

SP 0165/01

HI-FLO Nozzle (only)

NASO-FREE

NASAL IRRIGATION NEBULIZER



Designed for upper airways

Ideal for washing nasal cavities with saline solution, it helps flushing out excess mucus.



Easy to handle

Ergonomically shaped and easy to handle.



Suitable for all ages

Can be used by adult and children thanks to the included adaptors.



Universal

Compatible with all compressor nebulizers.

INCLUDED ACCESSORIES

ADULT ADAPTOR

CHILD ADAPTOR

PRODUCT CODE DN 100100



RESPIRATORY

DIAGNOSTICS

REHABILITATION

WELLNESS

BABY-CARE

SUCTION



| | KUBYNEB | FARMASOL | MINIMAX | MIKO | EOLO |
|---|---|---|---|---|---|
| | <i>Homecare</i> | <i>Homecare</i> | <i>Homecare</i> | <i>Homecare</i> | <i>Homecare</i> |
| TYPE | Oiless and maintenance-free piston pump | Oiless and maintenance-free piston pump | Oiless and maintenance-free piston pump | Oiless and maintenance-free piston pump | Oiless and maintenance-free piston pump |
| POWER FEEDING | 230V-50Hz | 230V-50Hz | 230V-50Hz | 230V-50Hz or 220V-50/60Hz | 230V / 50Hz or 220V / 50-60Hz |
| POWER CONSUMPTION | 140 VA | 140 VA | 170 VA | 170 VA | 170 VA |
| MAX PRESSURE | 3,0 bar/ 43,5 psi/ 300 kPa | 3,0 bar/ 43,5 psi/ 300 kPa | 2,5 bar/ 36 psi/ 250 kPa | 2,2 bar/ 32 psi/ 220 kPa | 2,5 bar/ 36 psi/ 250 kPa |
| OPERATING PRESSURE | 1,3 bar/ 18,9 psi/ 130 kPa | 1,3 bar/ 18,9 psi/ 130 kPa | 1,1 bar/ 16 psi/ 110 kPa | 0,95 bar/ 13,8 psi/ 95 kPa | 1,1 bar/ 16 psi/ 110 kPa |
| MAX AIR FLOW | 16 l/min | 16 l/min | 14 l/min | 13 l/min | 14 l/min |
| OPERATING AIR FLOW | 5,2 l/min | 5,2 l/min | 5 l/min | 4,8 l/min | 5,1 l/min |
| NEB-RATE | 0,50 ml/min | 0,50 ml/min | 0,35 ml/min | 0,35 ml/min | 0,40 ml/min |
| MASS MEDIAN AERODINAMIC DIAMETER (MMAD)* | 3,25 µm | 3,25 µm | 2,44 µm | 2,44 µm | 2,44 µm |
| RESPIRABLE FRACTION (< 5 µm) | > 70% | > 70% | > 80% | > 80% | > 80% |
| DUTY CYCLE | Non-stop | Non-stop | Ton: 20min Toff: 40min | Non-stop | Non-stop |
| NOISE LEVEL* | -60 dB(A) | -60 dB(A) | -60 dB(A) | -56 dB(A) | -55 dB(A) |
| WEIGHT | 1,45 kg | 1,80 kg | 1,45 kg | 1,45 kg | 1,65 kg |
| SIZE (main unit) | 16 x 16 x 10 cm | 14 x 21 x 15 cm | 13 x 15 x 9 cm | 14 x 17 x 11 cm | 15 x 22 x 12 cm |
| WARRANTY | 2 years | 2 years | 3 years | 3 years | 2 years |
| SHIPPING CARTON | 6 | 6 | 6 | 6 | 6 |
| COUNTRY OF ORIGIN | Italy | Italy | Italy | Italy | Italy |
| PRODUCT CODE | RE 300240 | RE 300230/01 | RE 300250 | RE 300600/03 | RE 300400 |
| without carrying bag | — | — | RE 300250/05 | RE 300600/12 | — |

*according to EN-13544-1



| COMPACT | KIWI+ | MOBILE | EVOLUTION | CLINEB BASIC | CLINEB PRO |
|---|--|--|--|---|--|
| <i>Homecare</i> | <i>Mobility</i> | <i>Mobility</i> | <i>Professional</i> | <i>Professional</i> | <i>Professional</i> |
| Oiless and maintenance - free piston pump | Mesh vibrating nebulizer | Oiless and maintenance-free piston pump | Oiless and maintenance-free piston pump | Oiless and maintenance-free piston pump | Oiless and maintenance-free piston pump |
| 230V / 50Hz | Power adapter 100-240V 50-60Hz Lithium Battery 3,7 V 2600mAh | Power Adapter 100-240V / 50-60Hz Batteries 8 x Alkaline rechargeable AA size, 1,2V (optional) Car Adapter: 12V | 230V-50Hz | 230V / 50Hz | 230V-50Hz |
| 170 VA | 2,0 W | 38,5 VA | 170VA | 170 VA | 170 VA |
| 3,0 bar/ 43,5 psi/ 300 kPa | — | 2 bar/ 29 psi/ 200 kPa | 3,0 ba/ 43,5 psi/ 300 kPa | 2,5 bar/ 36 psi/ 250 kPa | 3,0 bar/ 43,5 psi/ 300 kPa |
| 1,3 bar/ 18,9 psi/ 130 kPa | — | 0,8 bar/ 11,6 psi/ 80 kPa | 0,95 bar/ 13,7 psi/ 95 kPa | 1,30 bar/ 18,9 psi/ 130 kPa | 0,95 bar/ 13,7 psi 95 kPa |
| 16 l/min | — | 12 l/min | 16 l/min | 16 l/min | 16 l/min |
| 5,2 l/min | — | 4 l/min | 8,0 l/min | 5,2 l/min | 8,0 l/min |
| 0,5 ml/min | 0,30 ml/min | 0,35 ml/min | Pos. I 0,40 ml Pos. II 0,60 ml Pos. III 0,70 ml Pos. IV 0,80 ml | 0,50 ml/min | Pos. I 0,40 ml Pos. II 0,60 ml Pos. III 0,70 ml Pos. IV 0,80 ml |
| 3,25 µm | 1,51 µm | 3 µm | Pos. I 3,32 µm Pos. II 4,07 µm Pos. III 4,23 µm Pos. IV 4,18 µm | 3,25 µm | Pos. I 3,32 µm Pos. II 4,07 µm Pos. III 4,23 µm Pos. IV 4,18 µm |
| > 70% | > 93% | > 75% | Depending on the above position | > 70% | Depending on the above position |
| Non-stop | By mains Non-stop With batteries 220 min | Ton: 20min Toff: 40min | Non-stop | Non-stop | Non-stop |
| -60 dB(A) | 38.2 dB(A) | -50 dB(A) | -60 dB(A) | -57 dB(A) | -60 dB(A) |
| 1,60 kg | 150 g | 0,56 kg | 2,0 kg | 2,20 kg | 2,20 kg |
| 14 x 23 x 12 cm | 5,8 x 4,8 x 13 cm | 9,5 x 14 x 7 cm | 20 x 28 x 15 cm | 19 x 25 x 15 cm | 23 x 19 x 25 cm |
| 4 years | 2 years | 5 years | 2 years | 2 years | 2 years |
| 6 | 12 | 6 | 6 | 4 | 4 |
| Italy | China | Italy | Italy | Italy | Italy |
| RE 300200 | RE 300911 | RE 300700 | RE 300450 | RE 300551/03 | RE 300560 |
| — | — | — | — | — | — |



ABOUT FEVER?

A fever is a **temporary increase in the body temperature**, often due to an illness. A normal temperature can vary from person to person, but it is usually around 37°C. Normal body temperature may also fluctuate depending on the time of day. It tends to be lower in the morning and higher in the late afternoon and evening. Other factors, such as menstrual cycle or intense exercise, can also affect body temperature.

Having a fever is a sign that **something out of the ordinary is going on in the body**. Fever seems to play a key role in **helping the body fight off a number of infections**.

For an adult, a fever may be uncomfortable, but usually is not cause for concern unless it reaches 38°C or higher. For infants and toddlers, a slightly elevated temperature may indicate a serious infection.

ECOLOGICAL, DIGITAL OR INFRARED?

An accurate reading of a person's temperature is a vital tool in managing illnesses. CA-MI provides different models of thermometers to satisfy any requirement in monitoring body temperature.

Mercury-free types are eco-friendly, digital types have rigid or flexible tip, and infrared scanners are quick and contactless, yet they all guarantee accurate and safe results.



▲ Digit-10P, p.17



▲ T-Flap, p.18

DIAGNOSTICS THERMOMETERS

QUALITY & ACCURACY

With the objective of combining **accuracy, easiness and quickness** in reading temperature, CA-MI pays special attention to the selection of **premium components**, such as sensors, probes and plastics. In fact, CA-MI thermometers are largely requested by users worldwide.

TEMPERATURE

Stepped V-shape design improves measurements focusing infrareds.

RANGE

Avoids the errors caused by wrong positioning: it guides user to reach the correct distance.

TEMPERATURE BALANCE

Reduces the systematic errors caused by environmental temperature transition.



**SUPERIOR
ACCURACY**

◀ T-Plus, p.16

NON-CONTACT ADVANTAGES

There are several distinct advantages that have made non-contact thermometers very popular. First of all the possibility of **passing contagious infections** from one person to other is **ruled out** altogether. No matter how carefully you rinse or clean the bulb of the conventional mercury thermometer, the risk of infection transmission cannot be eliminated.

There are times when the **temperature** of the diseased person **has to be recorded periodically**, sometimes even when the patient is taking rest or sleeping: with those thermometers, any nurse can record the body temperature of the patient without disturbing. This same feature is also very helpful in taking the temperature of infants, kids or even aged persons with limited motor controls.

They also come with a **recording function** to check the latest readings, helpful in making accurate temperature charts for the physicians who need to diagnose and decide the line of treatment.

The large digital display allows for **easy reading** even for people with vision problems. More over these thermometers, can have **multiple uses** like measuring the temperature of warm water for baby bath or of infant feed, milk, etc.



▲ Counter display box for digiT-40 and digiT-40F thermometers, p.17

T-PLUS

INFRARED THERMOMETER



Non-contact technology

Measurements are taken between 0-3cm from the forehead guaranteeing the best hygienic conditions.



Instant measurements

Extremely quick: takes 1 second to measure temperature.



Superior accuracy

Provided with 3 special sensors detecting temperature, correct distance, and temperature balance. Operated by the extremely precise Japanese state-of-the-art firmware.



Position aid

A dedicated distance sensor guides user to reach the correct measuring distance.



Auto cooldown

Prevents systematic errors caused by too frequent tests.



Fever alarm

Triple color backlight and 3 different buzzers to indicate different temperatures.



Wide memory

Stores up to 30 measurements for easy monitoring.



Energy save

Automatically shuts off after 30 seconds.



Dual mode

Detects both body and surfaces temperatures.

INCLUDED ACCESSORIES

RIGID PLASTIC CASE

for safe storage and transport.

1.5 VOLT BATTERIES

2 x Alkaline AAA size.

PRODUCT CODE TR 100500

T-EASY

INFRARED THERMOMETER



Non-contact technology

Measurements are taken up to 5 cm from the forehead guaranteeing the best hygienic conditions.



Instant measurements

Extremely quick: takes 1 second to measure temperature.



Auto cooldown

Prevents systematic errors caused by too frequent tests.



Fever alarm

Triple color backlight and 3 different buzzers to indicate different temperatures.



Dual mode

Detects both body and surfaces temperatures.



Wide memory

Stores up to 30 measurements for easy monitoring.



Energy save

Automatically shuts off after 30 seconds.

INCLUDED ACCESSORIES

CARRYING BAG

for safe storage and transport.

1.5 VOLT BATTERIES

2 x Alkaline AAA size.

PRODUCT CODE TR 100500/01

T-TOUCH

TERMOMETRO AD INFRAROSSI



Tecnologia IR a contatto

Instant temperature detection by placing the thermometer on the forehead surface.



Misurazione Smart

Temperature is measured without pressing any button. The device beeps to notify the measurement conclusion.



Fever alarm

Triple color led and buzzers to indicate different temperatures.



Wide memory

Stores up to 20 measurements for easy monitoring.



Energy save

Low consumption: more than 1200 measurements with 1 CR2032 battery. Automatic shutdown.



Pocket size

The compact IR thermometer to always carry with you (only 2.5 x 4.5 cm).

ACCESSORI IN DOTAZIONE

1.5 VOLT BATTERY

1xCR032

SOFT POUCH

CODICE TR 100401



DIGIT-10P

DIGITAL THERMOMETER



PREDICTIVE

Advanced algorithm predicting the correct temperature with superior accuracy, no matter where you measure it.

SUPER QUICK

Takes only 10 seconds to measure body temperature.

EASY-READ

Thanks to a wide LCD screen of 2,35 x 1,55 cm with 3 backlight colours.

FEVER ALARM

Triple color backlight to indicate different temperatures.

SHOCK & WATERPROOF

Certified IP55 rating.

EASY TO CLEAN

With any alcohol-based solution.

ENERGY SAVE

Automatically shuts off after 5 minutes.

LONG LASTING

Up to 600 measurements and three years of life thanks to the replaceable battery.

DISPLAY BOX

4-colour counter display box of 12's can be folded and used as display box from retail counters.

INCLUDED ACCESSORIES

PLASTIC CASE

for safe storage.

3V BUTTON BATTERY

type CR1632.

PRODUCT CODE TR 200300

DIGIT-40

DIGITAL THERMOMETER



RIGID TIP

For easy rectal, axillary or oral measurement

EASY TO CLEAN

With any alcohol-based solution.

SHOCK & WATERPROOF

Certified IP54 rating.

QUICK

Takes from 40 to 90 seconds to measure body temperature.

ENERGY SAVE

Automatically shuts off after 8 minutes.

LONG LASTING

Up to 1200 measurements and three years of life thanks to the replaceable battery.

DISPLAY BOX

4-colour counter display box of 24's can be folded and used as display box from retail counters.

INCLUDED ACCESSORIES

PLASTIC CASE

for safe storage.

1.5V BUTTON BATTERY

type LR41 or AG3.

PRODUCT CODE TR 200030

DIGIT-40F

DIGITAL THERMOMETER



FLEXIBLE TIP

For easy rectal, axillary or oral measurement

EASY TO CLEAN

With any alcohol-based solution.

SHOCK & WATERPROOF

Certified IP54 rating.

QUICK

Takes from 40 to 90 seconds to measure body temperature

ENERGY SAVE

Automatically shuts off after 8 minutes.

LONG LASTING

Up to 1200 measurements and three years of life thanks to the replaceable battery.

DISPLAY BOX

4-colour counter display box of 24's can be folded and used as display box from retail counters.

INCLUDED ACCESSORIES

PLASTIC CASE

for safe storage.

1.5V BUTTON BATTERY

type LR41 or AG3.

PRODUCT CODE TR 200040

T-CLASSIC

MERCURY-FREE THERMOMETER



SAFE AND ECOLOGICAL

Mercury-free, contains harmless calibrated liquid alloy.

EASY TO CLEAN

Glass body, easy to clean between measurements with any alcohol-based solution.

INCLUDED ACCESSORIES

PLASTIC CASE

for safe storage.

PRODUCT CODE TR 100200

T-FLAP

MERCURY-FREE THERMOMETER



SAFE AND ECOLOGICAL

Mercury-free, contains harmless calibrated liquid alloy.

EASY TO CLEAN

Glass body, easy to clean between measurements with any alcohol-based solution.

EASY TEMPERATURE LOWERING

Thanks to the flap added to the case.

INCLUDED ACCESSORIES

PLASTIC CASE + FLAP

for safe storage and easy temperature lowering.

PRODUCT CODE TR 100300



T-PLUS



T-EASY



T-TOUCH



DIGIT-10P

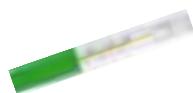
| | <i>Infrared thermometer</i> | <i>Infrared thermometer</i> | <i>Infrared thermometer</i> | <i>Digital Thermometer</i> |
|------------------------------|---|---|---|---|
| SIZE | 14,9 x 3,4 x 5,2 cm | 14,9 x 3,4 x 5,2 cm | 4,7 x 2,3 x 2,5 cm | 13,5 x 2,8 x 1 cm |
| WEIGHT | 95 g | 95 g | 22 g | 16 g |
| LCD | with 3 colours backlight | with 3 colours backlight | 2,6 x 1,3cm | 2,35 x 1,55 cm with 3 colours back light |
| MEASUREMENT METHOD | Infrared (no-touch) | Infrared (no-touch) | Infrared (touch) | Thermistor |
| MODE | Body /Objects | Body /Objects | Body | Rectal / Oral / Axillary |
| MEASUREMENT TIME | 1 s | 1 s | 1 s | 10 s |
| ACCURACY | 35 > 42°C: ±0,2 °C Otherwise ±0,3°C | 35 > 42°C: ±0,2 °C Otherwise ±0,3°C | 35 > 42 °C: ±0,2 °C Otherwise ±0,3 °C | 35 > 42°C: ±0,1 °C Otherwise ±0,2°C |
| IP CODE | IP22 | IP22 | IP22 | IP55 |
| POWER SOURCE | 2 x Alkaline AAA size, 1,5V batteries | 2 x Alkaline AAA size, 1,5V batteries | CR2032 3V button battery | CR1632 3V button battery |
| BATTERY AUTONOMY | - 1000 measurements | | - 1200 measurements | - 600 measurements /2 years |
| WARRANTY | 2 years | 2 years | 2 years | 2 years |
| SHIPPING CARTON | 50 | 50 | | 288 units |
| TIP | — | — | — | Flexible, Waterproof |
| NUMBER OF MEMORIES | 30 | 30 | 20 | 1 |
| END READING BEEPER | ▪ | ▪ | ▪ | ▪ |
| UNITS | Celsius / Fahrenheit | Celsius / Fahrenheit | Celsius / Fahrenheit | Celsius / Fahrenheit |
| AUTO SHUT-OFF | After 30 seconds | After 30 seconds | Dopo 30 s | After 5 minutes |
| LOW BATTERY INDICATOR | ▪ | ▪ | ▪ | ▪ |
| PRODUCT CODE | TR 100500 | TR 100500/01 | TR 100401 | TR 200300 |



DIGIT-40



DIGIT-40F



T-CLASSIC



T-FLAP

| <i>Digital Thermometer</i> | <i>Digital Thermometer</i> | <i>Mercury free thermometer</i> | <i>Mercury free thermometer</i> |
|---|--|--|--|
| 12,6 x 2 x 1,1 cm | 12,6 x 2 x 1,1 cm | 12,5 x 1,2 x 0,9 cm | 12,5 x 1,2 x 0,9 cm |
| 9,4 g | 9,4 g | 7,2 g | 7,2 g |
| 1,6 x 0,75 cm | 1,6 x 0,75 cm | — | — |
| Thermistor | Thermistor | Thermal expansion of a calibrated liquid alloy | Thermal expansion of a calibrated liquid alloy |
| Rectal / Oral / Axillary | Rectal / Oral / Axillary | Rectal / Oral / Axillary | Rectal / Oral / Axillary |
| 40 / 60 / 90 s | 40 / 60 / 90 s | 3 / 3 / 5 min | 3 / 3 / 5 min |
| 35 > 42°C: ±0,1 °C Otherwise ±0,2°C | 35-42°C: ±0,1 °C Otherwise ±0,2°C | ±0,1°C | ±0,1°C |
| IP54 waterproof | IP54 waterproof | — | — |
| LR41 or AG3 1,5V button battery | LR41 or AG3 1,5V button battery | — | — |
| - 1200 measurements /2 years | - 1200 measurements /2 years | — | — |
| 2 years | 2 years | 2 years | 2 years |
| 400 units | 400 units | 12 units | 12 units |
| Rigid | Flexible | Rigid, Waterproof | Rigid, Waterproof |
| 1 | 1 | — | — |
| ▪ | ▪ | — | — |
| Celsius / Fahrenheit | Celsius / Fahrenheit | Celsius | Celsius |
| After 8 minutes | After 8 minutes | — | — |
| ▪ | ▪ | — | — |
| TR 200030 | TR 200040 | TR 100200 | TR 100300 |



DIAGNOSTICS

BLOOD PRESSURE MONITORS

DIAGNOSTICS

BLOOD PRESSURE MONITORING

Blood pressure is the term used to describe **the strength with which blood pushes on the sides of the arteries** as it is pumped around the body.

High blood pressure (hypertension) can put a strain on the arteries and organs, which **can increase the risk of developing** serious problems such as **heart attacks and strokes**. Low blood pressure (hypotension) is not usually as serious, although it can cause dizziness and fainting in some people.

Monitoring blood pressure is the only way to find out if the blood pressure is too high or too low, because most people will not have any obvious hypertension symptoms.

DIFFERENT SOLUTIONS FOR EVERY NEED

A variety of blood pressure monitors is available so blood pressure can be measured while at home or out and about. Whether one's preference goes to wrist or upper arm type, CA-MI has the perfect product to suit every need.



UPPER ARM

Classic design meets state of the art technology. Thanks to the implemented inflation technology measurements are quick, gentle and reliable.



WRIST TYPE

Small in size, yet accurate. Quick and easy to wear and very convenient for everyday use, wherever you are.

COMFORTABLE & EASY TO USE

CA-MI selected a wide range of products that grants reliability, comfort and ease of use. Anyone can check their own blood pressure every day, and assist the clinician with accurate information.

COMFORTABLE

Soft-finishing cuff, wrapping gently around the arm.

EASY TO READ

Blood pressure values are classified according to the World Health Organization guidelines.

RELIABLE

Guarantees reliable results thanks to body movements and interferences detection system.

QUICK AND GENTLE

Thanks to the inflation technology blood pressure is monitored in a gentler and quicker way during the gradual inflation of the cuff.



Italian Design
JAPANESE
TECHNOLOGY

▲ Nissei Comfort, p. 22

STATE-OF-THE-ART TECHNOLOGY

Nissei Motion is the first wrist type blood pressure monitor combining the gentleness of inflation technology with the superior accuracy of the High Resolution System and M-Shaped Cuff.



▲ Nissei Motion, p. 24

CA-MI IS EXCLUSIVE EU DISTRIBUTOR OF NISSEI

PRECISE AND VALIDATED

Most of CA-MI devices passed the ESH (European Society of Hypertension) clinical accuracy test, known as the most stringent test of clinical accuracy in the world.

Moreover, to display measurements in a more comprehensible and worldwide recognized way, these devices comply with the WHO Classification Guidelines.



NISSEI COMFORT

UPPER ARM BLOOD PRESSURE MONITOR



Clear Read

Wide LCD monitor: all info at one glance.



Innovative inflation technology

Measurements are quicker and gentler: blood pressure is monitored during the gradual inflation of the cuff.



Irregular heartbeat detection

Detects irregular pulse rhythms, index of cardiac arrhythmias.



Body sensor

Detects body movements or interferences that may cause measurement errors.



Wide range comfortable cuff

The cuff can fit a wide range of arm sizes: 22 - 42 cm. Thanks to its soft finishing, it wraps gently around the arm.



Personal Mode

Cuff's inflation is adjusted according to the latest 3 readings, shortening the measurement time and improving comfort.



Average value

Displays the average of the latest three readings.



Circulatory risk indicator

Displays Pulse Pressure, a parameter related to artery stiffness and circulatory risk factors.



ESH clinical validation

Technology in compliance with the European Society of Hypertension IP2010 protocol.



Extended warranty

The product is guaranteed 5 years.



WHO Classification

Blood pressure values are classified according to the World Health Organization guidelines.

INCLUDED ACCESSORIES

CARRYING BAG

for safe storage and transport.

1.5V BATTERIES

4 x Alkaline AA size, replaceable.

COMFORT CUFF

Size: 22 - 42 cm, with soft finishing.

PRODUCT CODE Comfort (DS-B33-04)

NISSEI DELICARE

UPPER ARM BLOOD PRESSURE MONITOR



Innovative inflation technology

Measurements are quicker and gentler: blood pressure is monitored during the gradual inflation of the cuff.



Irregular heartbeat detection

Detects irregular pulse rhythms, index of cardiac arrhythmias.



Body sensor

Detects body movements or interferences that may cause measurement errors.



Wide range comfortable cuff

The cuff can fit a wide range of arm sizes: 22 - 42 cm. Thanks to its soft finishing, it wraps gently around the arm.



Switchable power supply

Can be used with AC adapter (not included) or AA alkaline batteries.



ESH clinical validation

Technology in compliance with the European Society of Hypertension IP2010 protocol.



Extended warranty

The product is guaranteed 5 years.

INCLUDED ACCESSORIES

CARRYING POUCH

for safe storage and transport.

1.5V BATTERIES

4 x Alkaline AA size, replaceable.

COMFORT CUFF

Size: 22 - 42 cm, with soft finishing.

PRODUCT CODE Delicare (DS-B23-04)

NISSEI DSK-1011

UPPER ARM BLOOD PRESSURE MONITOR



Innovative inflation technology

Measurements are quicker and gentler: blood pressure is monitored during the gradual inflation of the cuff.



Irregular heartbeat detection

Detects irregular pulse rhythms, index of cardiac arrhythmias.



Body sensor

Detects body movements or interferences that may cause measurement errors.



Double memory, double user

Stores up to 60 results in each memory bank.



Comfortable cuff

Size: 22 - 32 cm. Soft finishing, wrapping gently around the arm.



Switchable power supply

Can be used with AC adapter (not included) or AA alkaline batteries.



Personal Mode

Cuff's inflation is adjusted according to the latest 3 readings, to shorten the measurement time and to improve comfort.



Circulatory risk indicator

Displays Pulse Pressure, a parameter related to artery stiffness and circulatory risk factors.



ESH clinical validated

In compliance with the European Society of Hypertension IP2010 protocol.



WHO Classification

Blood pressure values are classified according to the World Health Organization guidelines.

INCLUDED ACCESSORIES

1.5V BATTERIES

4 x Alkaline AA size, replaceable.

COMFORT CUFF

Size: 22 - 32 cm, with soft finishing.

NISSEI DSK-1031

UPPER ARM BLOOD PRESSURE MONITOR



Clear Read

Wide LCD monitor: all info at one glance.



Irregular heartbeat detection

Detects irregular pulse rhythms, index of cardiac arrhythmias.



Body sensor

Detects body movements or interferences that may cause measurement errors.



Double memory, double user

Stores up to 60 results in each memory bank.



Smart rigid cuff

The device checks and warns if the cuff is not being worn correctly. Size: 22 - 42 cm. Soft finishing.



Switchable power supply

Can be used with AC adapter (not included) or AA alkaline batteries.



Circulatory risk indicator

Displays Pulse Pressure, a parameter related to artery stiffness and circulatory risk factors.



ESH clinical validated

In compliance with the European Society of Hypertension IP2010 protocol.



WHO Classification

Blood pressure values are classified according to the World Health Organization guidelines.

INCLUDED ACCESSORIES

1.5V BATTERIES

4 x Alkaline AA size, replaceable.

PREFORMED CUFF

Size: 22 - 42 cm, with soft finishing.

PRODUCT CODE DSK-1031

NISSEI MOTION

WRIST BLOOD PRESSURE MONITOR



Hi-Resolution System

Scans pulse wave 6 times more frequently than conventional monitors, allowing the detection of irregular pulse rhythms which may be an indicator of cardiac arrhythmias, such as atrial fibrillation.



Innovative inflation technology

Measurements are quicker and gentler: blood pressure is monitored during the gradual inflation of the cuff.



Body sensor

Detects body movements or interferences that may cause measurement errors.



M-Shaped cuff

Improves measurement's precision binding the two wrist's bones securely so that arterial blood vessels are firmly tightened during inflation.



Irregular heartbeat detection

Detects irregular pulse rhythms, index of cardiac arrhythmias.



Cuff Status Function

Checks the correct positioning of the cuff before measurement.



Double memory, double user

Stores up to 60 results in each memory bank.



Always with you

Compact and easily transportable thanks to its rigid protective case.



WHO Classification

Blood pressure values are classified according to the World Health Organization guidelines.

INCLUDED ACCESSORIES

RIGID CASE

for safe storage and transport.

1.5V BATTERIES

2x Alkaline AAA size, replaceable.

PRODUCT CODE Motion (WS-C2-04)

NISSEI WSK-1011

WRIST BLOOD PRESSURE MONITOR



M-Shaped cuff

Improves measurement's precision binding the two wrist's bones securely so that arterial blood vessels are firmly tightened during inflation.



Always with you

Compact and easily transportable thanks to its travel bag.



Clear Read

Wide LCD monitor: all info at one glance.



Body sensor

Detects body movements or interferences that may cause measurement errors.



Irregular heartbeat detection

Detects irregular pulse rhythms, index of cardiac arrhythmias.



Circulatory risk indicator

Displays Pulse Pressure, a parameter related to artery stiffness and circulatory risk factors.



Double memory, double user

Stores up to 60 results in each memory bank.



ESH clinically validated

In compliance with the European Society of Hypertension IP2010 protocol.



WHO Classification

Blood pressure values are classified according to the World Health Organization guidelines.

INCLUDED ACCESSORIES

TRAVEL BAG

for safe storage and transport.

1.5V BATTERIES

2 x Alkaline AAA size, replaceable.

PRODUCT CODE WSK-1011

NISSEI DS-11

UPPER ARM BLOOD PRESSURE MONITOR



Innovative inflation technology

Measurements are quicker and gentler: blood pressure is monitored during the gradual inflation of the cuff.



Irregular heartbeat detection

Detects irregular pulse rhythms, index of cardiac arrhythmias.



Body sensor

Detects body movements or interferences that may cause measurement errors.



Wide range comfortable cuff

Size: 22 - 42 cm. Soft finishing wrapping gently around the arm.



Average value

Displays the average of the latest three readings.



Switchable power supply

Can be used with AC adapter (not included) or AA alkaline batteries.



ESH clinically validated

In compliance with the European Society of Hypertension IP2010 protocol.

INCLUDED ACCESSORIES

CARRYING POUCH

for safe storage and transport.

1.5V BATTERIES

4 x Alkaline AA size, replaceable.

COMFORT CUFF

Size: 22 - 42 cm, with soft finishing

PRODUCT CODE DS-11

DM-3000

PROFESSIONAL UPPER ARM BLOOD PRESSURE MONITOR



Automatic or manual mode

Oscillometric (AUTO) or auscultation (MANUAL) mode can be set by user.



Professional accuracy, easy operation

Inflation and deflation speed can be easily adjusted and the maximum constriction of the cuff sets according to the patient's parameters.



Fits every patient

Two cuffs are included (size: 22 - 32 cm (M) / 32 - 42 cm (L)) to fit patients with different arms circumferences, both washable and with soft finishing wrapping gently around the arm.



Seven memories

Records the 7 latest measurements results and the average values.



Switchable power supply

Can be operated with AC adapter or internal Ni-MH rechargeable batteries, both included.



Double display

Two clearly readable displays representing the mercury column and digital results.



Remote use

The long inflation tube and the 5 castors' trolley kit make it suitable for displacement.



ESH clinical validation

In compliance with the European Society of Hypertension IP2002 protocol.

INCLUDED ACCESSORIES

NI-MH 4,8VDC

Rechargeable battery

UNIVERSAL POWER ADAPTER

100-240V 50/60 Hz

M-SIZE CUFF

Size: 22 - 32 cm, with soft finishing

L-SIZE CUFF

Size: 32-42 cm, with soft finishing

PRODUCT CODE DM-3000

DM-500

PROFESSIONAL UPPER ARM BLOOD PRESSURE MONITOR



Mercury-free

Traditional mercury column has been replaced by the LCD column display.



Rapid exhaust

During or after measurement in just one move.



Manual Measurement

Manual systolic and diastolic measurements.



Intuitive LCD display

Clearly readable display representing the mercury column.



Low consumptions

Operated by two AA alkaline (LR6) batteries.

INCLUDED ACCESSORIES

1.5V BATTERIES

2 x Alkaline AA size, replaceable.

COMFORT CUFF

Size: 23 - 32 cm, with soft finishing

PRODUCT CODE DM-500

HL858DK

UPPER ARM BLOOD PRESSURE MONITOR



Fingertip Afib Detector

Atrial fibrillation can be measured by simply placing the index finger on the detector.



Double LCD

Two LCD displays, one completely dedicated to the waveform graphic.



Irregular heartbeat detection

Detects irregular pulse rhythms, index of cardiac arrhythmias.



Triple memory, triple user

Stores up to 120 results in each of the 3 memory banks.



Switchable power supply

Can be used with AC adapter (not included) or AA alkaline batteries.



Comfortable cuff

Size: 23 - 33 cm. Soft finishing wrapping gently around the arm.



Average value

Displays the average of the latest three readings.



BIHS clinical validation

In compliance with the British and Irish Hypertension Society protocol.



WHO Classification

Blood pressure values are classified according to the World Health Organization guidelines.

INCLUDED ACCESSORIES

CARRYING BAG

for safe storage and transport.

1.5V BATTERIES

4 x Alkaline AAA size, replaceable.

COMFORT CUFF

Size: 23 - 33 cm, with soft finishing

PRODUCT CODE RE 504000

MY PRESSURE 2.0

UPPER ARM BLOOD PRESSURE MONITOR



Clear Read

Wide LCD monitor: all info at one glance.



Irregular heartbeat detection

Detects irregular pulse rhythms, index of cardiac arrhythmias.



Average value

Displays the average of the latest three readings.



Double memory, double user

Stores up to 90 results in each of the memory banks.



Comfortable cuff

Size: 22 - 32 cm. Soft finishing wrapping gently around the arm.



Switchable power supply

Can be used with AC adapter (not included) or AA alkaline batteries.



Always with you

Compact and easily transportable thanks to its carrying pouch.



ESH clinical validation

In compliance with the European Society of Hypertension.



WHO Classification

Blood pressure values are classified according to the World Health Organization guidelines.

INCLUDED ACCESSORIES

CARRYING POUCH

for safe storage and transport.

1.5V BATTERIES

4 x Alkaline AA size, replaceable.

COMFORT CUFF

Size: 22 - 32 cm, with soft finishing

PRODUCT CODE RE 503000

ECO PRESSURE 2.0

WRIST BLOOD PRESSURE MONITOR



Clear Read

Wide LCD monitor: all info at one glance.



Irregular heartbeat detection

Detects irregular pulse rhythms and excessive body movement during measurement.



Average value

Displays the average of the latest three readings.



Double memory, double user

Stores up to 90 results in each of the memory banks.



Always with you

Compact and easily transportable thanks to its rigid protective case.



WHO Classification

Blood pressure values are classified according to the World Health Organization guidelines through the colored scale.

INCLUDED ACCESSORIES

RIGID CASE

for safe storage and transport.

1.5V BATTERIES

2 x Alkaline AAA size, replaceable.

PRODUCT CODE RE 520120



| | COMFORT | DELICARE | DS-11 | DSK-1011 | DSK-1031 | |
|---------------------------------|------------------------|-------------------------|-----------------------|-----------------------|---------------------------|-----------------------|
| TYPE | Upper Arm | Upper Arm | Upper Arm | Upper Arm | Upper Arm | |
| SIZE | 17x 11 x 7 cm | 17 x 11 x 7 cm | 11,5 x 11,5 x 6,59 cm | 11,5 x 11,5 x 6,59 cm | 11,5 x 11,5 x 6,59 cm | |
| WEIGHT | 250 g | 250 g | 250 g | 250 g | 250 g | |
| MEASUREMENT TECHNOLOGY | Inflation | Inflation | Inflation | Inflation | Fuzzy Logic | |
| SYSTOLIC PRESSURE RANGE | 50-250 mmHg | 50-250 mmHg | 50-250 mmHg | 50-250 mmHg | 50-250 mmHg | |
| DIASTOLIC PRESSURE RANGE | 40-180 mmHg | 40-180 mmHg | 40-180 mmHg | 40-180 mmHg | 40-180 mmHg | |
| PRESSURE ACCURACY | ±3 mmHg | ±3 mmHg | ±3 mmHg | ±3 mmHg | ±3 mmHg | |
| PULSE MEASUREMENT RANGE | 40-180 pulses/min | 40-180 pulses/min | 40-180 pulses/min | 40-160 pulses/min | 40-160 pulses/min | |
| PULSE ACCURACY | ±5% | ±5% | ±5% | ±5% | ±5% | |
| AUTOMATIC SHUT-OFF | 2 minutes | 2 minutes | 3 minutes | 3 minutes | 3 minutes | |
| LCD SIZE | 72 x 78 mm | 51 x 50 mm | 49 x 38 mm | 92 x 92 mm | 92 x 92 mm | |
| MEMORIES | 120 (2 areas) | 60 (1 area) | 60 (1 area) | 120 (2 areas) | 120 (2 areas) | |
| CUFF SIZE | 22 - 42 cm (Soft) | 22 - 42 cm (Soft) | 22 - 42 cm (Soft) | 22 - 32 cm (Soft) | 22 - 42 cm (Preformed) | |
| INCLUDED POWER SUPPLY | 4x 1,5V AA alkaline | 4x 1,5V AA alkaline | 4x 1,5V AA alkaline | 4x 1,5V AA alkaline | 4x 1,5V AA alkaline | |
| PERSONAL MODE | ▪ | — | — | ▪ | — | |
| AVERAGE VALUE | ▪ | — | ▪ | — | — | |
| PULSE PRESSURE DISPLAY | ▪ | — | — | ▪ | ▪ | |
| MOVEMENT DETECTION | ▪ | ▪ | ▪ | ▪ | ▪ | |
| IRREGULAR PULSE DISPLAY | ▪ | ▪ | ▪ | ▪ | ▪ | |
| DATE AND TIME | ▪ | ▪ | ▪ | ▪ | ▪ | |
| ESH APPROVAL | ▪ | ▪ | ▪ | ▪ | ▪ | |
| CARRYING BAG | Pouch | Pouch | Pouch | — | — | |
| WARRANTY | 5 years | 5 years | 2 years | 2 years | 2 years | |
| SHIPPING CARTON | 12 units | 12 units | 20 units | 20 units | 20 units | |
| PRODUCT CODE | COMFORT (DS-B33-04) | DELICARE (DS-B23-04) | DS-11 | DSK-1011 | DSK-1031 | |
| ACCESSORIES | | | | | | |
| CUFF | 17 - 25 cm | — | — | — | — | |
| | 22 - 32 cm | — | — | NPDSK1011-051 | — | |
| | 22 - 42 cm | B129646-1-A | B129646-1-A | NPDSB10-053 | NPDSK1011-002 | NPDSK1031-051 (Rigid) |
| | 32 - 42 cm | — | — | — | — | — |
| AC/DC ADAPTER | A210664-01-B | A210664-01-B | NPDSK1011-102 | NPDSK1011-102 | NPDSK1011-102 | |
| CARRYING BAG | B129565-2-A | A129559-2-A | A127504-2 | — | A123620-1-B | |



| MOTION | WSK-1011 | DM-3000 | DM-500 | ECO PRESSURE 2.0 | MY PRESSURE 2.0 | HL858DK |
|-------------------------|-------------------------|---|------------------------------|------------------------|-----------------------|----------------------------------|
| Wrist Type | Wrist Type | Upper Arm | Upper Arm | Wrist Type | Upper Arm | Upper Arm |
| 6,4 x 8,8 x 2,6 cm | 7 x 7x 2,7 cm | 20,6x13,5x27,6cm | 12,2 x 31 x 8,6 cm | 6,6 x 7,0 x 3,0 cm | 10,5 x 12 x 5,5 cm | 10 x 14 x 6 cm |
| 100 g | 110 g | 1,26 kg | 780 g | 110 g | 310 g | 320 g |
| Inflation | Fuzzy Logic | Auscultatory / Oscillometric | Auscultatory / Oscillometric | Fuzzy Logic | Fuzzy Logic | Fuzzy Logic |
| 50-250 mmHg | 50-250 mmHg | 50-250mmHg | 50-250mmHg | 40 - 260 mmHg | 40-260 mmHg | 40-199 beats/min |
| 40-180 mmHg | 40-140 mmHg | 40-180mmHg | 40-180mmHg | 40 - 180 mmHg | 40-260 mmHg | 40-199 beats/min |
| ±3 mmHg | ±3 mmHg | ±3 mmHg | ±3 mmHg | ±3 mmHg | ±3 mmHg | ±3 mmHg |
| 30-199 pulses/min | 40-160 pulses/min | 40-160 pul/min | 40-160 pul/min | 40-160 pulses/min | 40-160 beats/min | 40-199 beats/min |
| ±5% | ±5% | ±5% | ±5% | ±5% | ±5% | ±5% |
| 3 minutes | 3 minutes | 3 minutes | 3 minutes | 3 minutes | 3 minutes | 1,5 minutes |
| 50x3 0mm | 51 x 51 mm | 300 digits column LCD + 10 digits segment LCD | — | 38 x 43 mm | 70 x 89 mm | #1: 57 x 53 mm #2: 57 x 19 mm |
| 120 (2 areas) | 120 (2 areas) | 7 | — | 180 (2 areas) | 180 (2 areas) | 120 (3 areas) |
| 12,5-22,5 cm (M-Shaped) | 12,5-22,5 cm (M-Shaped) | 22 - 32 cm (Soft) 32-42 cm (soft) | 23 - 32 cm (Soft) | 12,5 - 20,5 cm (wrist) | 22 - 32 cm (Soft) | 23 - 33 cm (Soft) |
| 2x 1,5V AAA alkaline | 2x 1,5V AAA alkaline | 4.8 Vdc rechargeable NiMH battery | 2x 1,5V AA alkaline | 2x AAA 1,5V batteries | 4x 1,5V AA alkaline | 4x 1,5V AA alkaline |
| — | — | — | — | — | — | — |
| — | — | ■ | — | ■ | ■ | ■ |
| ■ | ■ | ■ | — | — | — | — |
| ■ | ■ | — | — | — | — | ■ |
| ■ | ■ | — | — | ■ | ■ | ■ |
| ■ | ■ | — | — | ■ | ■ | ■ |
| — | ■ | — | — | — | ■ | BISH validation |
| Case | Bag | — | — | Case | Pouch | Bag |
| 2 years | 2 years | 2 years | 2 years | 2 years | 2 years | 2 years |
| 40 units | 20 units | 4 units | 20 units | 40 units | 10 units | 12 units |
| MOTION (WS-C2-04) | WSK-1011 | DM-3000 | DM-500-02 | RE 520120 | RE 503000 | RE 504000 |
| — | — | upon request | NPDM0500-015 | — | — | — |
| — | — | NPDM3000-010 | NPDM0500-014 | — | SP 0197 | — |
| — | — | — | — | — | — | — |
| — | — | NPDM3000-011 | NPDM0500-013 | — | SP 0197/01 (32-43 cm) | 11134/01 |
| — | — | A210426-01-B | — | — | SP 0210 | 20029/03 |
| D129880-2-A | A123620/1/B | — | — | — | — | — |



DIAGNOSTICS

SPHYGMO- MANOMETERS & STETHOSCOPES

DIAGNOSTICS

DESIGNED FOR PROFESSIONALS

CA-MI matches its home-care diagnostic line with a range of product suitable for clinicians of all levels. A selection of devices adequate for practitioners as well as cardiologists who require more accurate and reliable instruments to validate their diagnosis.



▲ S-100 Cardio, p. 33

ALLERGY-FREE AND DURABLE MATERIALS

Latex allergic reactions can range from mild skin rashes to severe and life-threatening anaphylactic shock. Since no known cure for latex allergy exists, avoidance of latex exposure is the only protection. Healthcare facilities have taken a variety of approaches to reduce both worker and patient exposure to latex. These include replacing products made of natural rubber latex with those made of alternative materials.

CA-MI selected its products in order to provide the safest and most durable materials.

P-50

SPHYGMOMANOMETER



PALM TYPE

Riva Rocci/Korotkoff measuring method.

PROFESSIONAL USE

Manual inflation system, ideal for professionals.

LATEX FREE

A safe and reliable alternative to Latex for allergy sufferers

COMFORTABLE CUFF

Size: 22 - 32 cm. Soft finishing wrapping gently around the arm.

INCLUDED ACCESSORIES

CARRYING BAG

for safe storage and transport.

COMFORT CUFF

22-32 cm

TECHNICAL DATA

| | |
|-----------------|---------------|
| SIZE | Ø 67 x 160 mm |
| WEIGHT | 210 g |
| MEASURING RANGE | 40 - 260 mmHg |
| PRESSURE RANGE | 0 - 300 mmHg |
| ACCURACY | ± 3 mmHg |
| CUFF SIZE | 22-32 cm |
| WARRANTY | 2 years |
| SHIPPING CARTON | 30 units |

PRODUCT CODE PR 310050

P-100

SPHYGMOMANOMETER



PALM TYPE

Riva Rocci/Korotkoff measuring method.

PROFESSIONAL USE

Manual inflation system, ideal for professionals.

LATEX FREE

A safe and reliable alternative to Latex for allergy sufferers

COMFORTABLE CUFF

Size: 22 - 32 cm. Soft finishing wrapping gently around the arm.

RAPID DEFLATION

Provided with fast deflation valve.

INCLUDED ACCESSORIES

CARRYING BAG

for safe storage and transport.

COMFORT CUFF

22-32 cm

TECHNICAL DATA

| | |
|-----------------|---------------|
| SIZE | Ø 67 x 160 mm |
| WEIGHT | 280 g |
| MEASURING RANGE | 40 - 260 mmHg |
| PRESSURE RANGE | 0 - 300 mmHg |
| ACCURACY | ± 3 mmHg |
| CUFF SIZE | 22-32 cm |
| WARRANTY | 2 years |
| SHIPPING CARTON | 30 units |

PRODUCT CODE PR 310100

P-200

SPHYGMOMANOMETER



PALM TYPE

Riva Rocci/Korotkoff measuring method.

SHOCK RESISTANT

Passed the drop test from a height of over 1 m, far exceeding the EU and US normative standards.

RAPID DEFLATION

Provided with fast deflation valve and protection cap.

LATEX FREE

A safe and reliable alternative to Latex for allergy sufferers

COMFORTABLE CUFF

Size: 25 - 36 cm. Soft finishing wrapping gently around the arm.

EXTENDEND WARRANTY

The product is guaranteed 5 years.

INCLUDED ACCESSORIES

CARRYING BAG

for safe storage and transport.

COMFORT CUFF

25-36 cm

TECHNICAL DATA

| | |
|-----------------|---------------|
| SIZE | Ø 55 x 171 mm |
| WEIGHT | 275 g |
| MEASURING RANGE | 40 - 260 mmHg |
| PRESSURE RANGE | 0 - 300 mmHg |
| ACCURACY | ± 3 mmHg |
| CUFF SIZE | 25-36 cm |
| WARRANTY | 5 years |
| SHIPPING CARTON | 30 units |

PRODUCT CODE PR 310200

A-50

SPHYGMOMANOMETER



ANEROID

Riva Rocci/Korotkoff measuring method.

PROFESSIONAL USE

Manual inflation system, ideal for professionals.

COMFORTABLE CUFF

Size: 22 - 32 cm. Soft finishing, wrapping gently around the arm.

LATEX FREE

A safe and reliable alternative to Latex for allergy sufferers

INCLUDED ACCESSORIES

CARRYING BAG

for safe storage and transport.

COMFORT CUFF

22-32 cm

TECHNICAL DATA

| | |
|-----------------|---------------|
| SIZE | Ø 50 x 90 mm |
| WEIGHT | 110 g |
| MEASURING RANGE | 40 - 260 mmHg |
| PRESSURE RANGE | 0 - 300 mmHg |
| ACCURACY | ± 3 mmHg |
| CUFF SIZE | 22-32 cm |
| WARRANTY | 2 years |
| SHIPPING CARTON | 30 units |

PRODUCT CODE PR 315050

A-100

SPHYGMOMANOMETER



ANEROID

Riva Rocci/Korotkoff measuring method.

PROFESSIONAL USE

Manual inflation system, ideal for professionals.

COMFORTABLE CUFF

Size: 22 - 32 cm. Soft finishing, wrapping gently around the arm.

LATEX FREE

A safe and reliable alternative to Latex for allergy sufferers.\

INCLUDED ACCESSORIES

CARRYING BAG

for safe storage and transport.

STETHOSCOPE

METAL CLAMP

for gauge hooking.

COMFORT CUFF

22-32 cm

TECHNICAL DATA

| | |
|-----------------|---------------|
| SIZE | Ø 50 x 90 mm |
| WEIGHT | 110 g |
| MEASURING RANGE | 40 - 260 mmHg |
| PRESSURE RANGE | 0 - 300 mmHg |
| ACCURACY | ± 3 mmHg |
| CUFF SIZE | 22-32 cm |
| WARRANTY | 2 years |
| SHIPPING CARTON | 30 units |

PRODUCT CODE PR 315100

S-10

STETHOSCOPE



CLASSIC DESIGN

Classical appearance designed for easier grip and maneuvering.

SOFT EARTIPS

Soft eartips provide an excellent acoustic seal and comfortable fit.

COMFORTABLE

Non-chill rims in order to provide patient comfort.

LATEX FREE

A safe and reliable alternative to Latex for allergy sufferers.

TECHNICAL DATA

| | |
|-----------------|-------------------|
| DIAPHRAGM | Ø 46 mm |
| TYPE | single headed |
| TUBE | 55 cm, PVC Y-tube |
| CHESTPIECE | alluminum alloy |
| WEIGHT | 80 g |
| WARRANTY | 2 years |
| SHIPPING CARTON | 100 units |

PRODUCT CODE ST 100000

S-20

STETHOSCOPE



DOUBLE ACCURACY

Double headed: large head for heart and lung auscultation, small head for low frequency sound auscultation.

SOFT EARTIPS

Soft eartips provide an excellent acoustic seal and comfortable fit.

COMFORTABLE

Non-chill rims provide in order to patient comfort.

LATEX FREE

A safe and reliable alternative to Latex for allergy sufferers.

TECHNICAL DATA

| | |
|-----------------|-------------------|
| DIAPHRAGM | Ø 46 /30 mm |
| TYPE | double headed |
| TUBE | 55 cm, PVC Y-tube |
| CHESTPIECE | aluminum alloy |
| WEIGHT | 90 g |
| WARRANTY | 2 years |
| SHIPPING CARTON | 100 units |

PRODUCT CODE ST 100001

S-30

SPRAGUE RAPPAPORT STETHOSCOPE



DOUBLE ACCURACY

Double headed: large head for heart and lung auscultation, small head for low frequency sound auscultation.

SOFT EARTIPS

Soft eartips provide an excellent acoustic seal and comfortable fit.

COMFORTABLE

Non-chill rims provide in order to patient comfort.

LATEX FREE

A safe and reliable alternative to Latex for allergy sufferers.

HIGH VERSATILITY

Thanks to its wide set of accessories.

INCLUDED ACCESSORIES

- INDIVIDUAL DISPLAY BOX
- 1X PAIR TUBE CONNECTORS
- 2X PAIR DIFFERENT EARTIPS
- 3X MEMBRANE ADAPTORS

TECHNICAL DATA

| | |
|-----------------|------------------------|
| DIAPHRAGM | Ø 46 /30 mm |
| TYPE | double headed |
| TUBE | 55 cm, double PVC tube |
| CHESTPIECE | aluminum alloy |
| WEIGHT | 225 g |
| WARRANTY | 2 years |
| SHIPPING CARTON | 50 units |

PRODUCT CODE ST 100002

S-100 CARDIO

STETHOSCOPE



DESIGNED FOR CARDIOLOGISTS

The most accurate stethoscope in CA-MI range.

PERFECT SOUND DETECTION

The high-quality and thicknesses of the materials provide optimal external sound insulation, while the membrane amplifies the sounds auscultated.

SOFT FLOATING DIAPHRAGM

Hear high or low frequency sounds by slightly adjusting pressure on the chestpiece.

LATEX FREE

A safe and reliable alternative to Latex for allergy sufferers.

INCLUDED ACCESSORIES

- 2 PAIR OF SILICONE EARTIPS

TECHNICAL DATA

| | |
|-----------------|--------------------------|
| DIAPHRAGM | Ø 44 mm |
| TYPE | floating |
| TUBE | 55 cm, PVC 2 in 1 |
| CHESTPIECE | polished stainless steel |
| WEIGHT | 215 g |
| WARRANTY | 3 years |
| SHIPPING CARTON | 12 units |

PRODUCT CODE ST 100100

P-130

ASSORTED SET



ALL IN ONE

Assorted set for GP's and professionals.

GIFT BOX

Provided with an elegant packaging,

THE SET INCLUDES

PALM-TYPE SPHYGMOMANOMETER
Ø67

SINGLE-HEAD STETHOSCOPE

CHILD CUFF

Ø 18 - 26 cm

ADULT CUFF

Ø 22 - 32 cm

XL CUFF

Ø 33 - 51 cm

GIFT BOX

for safe storage and transport.

CARRYING BAG

for safe storage and transport.

PRODUCT CODE PR 310000/02

P-150

ASSORTED SET FOR EMERGENCY



RESCUE & EMERGENCY

A complete set including all cuffs sizes from infant to thigh.

QUICK CONNECTION

All the cuff are provided with quick release metal screw developed for a prompt intervention.

RAPID DEFLATION

Provided with fast deflation valve.

HANGABLE BAG

For convenient storage in the ambulance.

THE SET INCLUDES

PALM-TYPE SPHYGMOMANOMETER
Ø55

SINGLE-HEAD STETHOSCOPE

INFANT CUFF

Ø 13 - 19 cm

CHILD CUFF

Ø 18 - 27 cm

ADULT CUFF

Ø 25 - 41 cm

XL CUFF

Ø 33 - 51 cm

THIGH CUFF

Ø 40 - 66 cm

CARRYING BAG

for safe storage and transport.

PRODUCT CODE PR 310150





P-50



P-100



P-200



A-50



A-100

| | | | | | |
|-----------------|---------------|---------------|---------------|---------------|---------------|
| SIZE | Ø 67 x 160 mm | Ø 67 x 160 mm | Ø 55 x 171 mm | Ø 50 x 90 mm | Ø 50 x 90 mm |
| WEIGHT | 210 g | 280 g | 275 g | 110 g | 110 g |
| MEASURING RANGE | 40 - 260 mmHg | 40 - 260 mmHg | 40 - 260 mmHg | 40 - 260 mmHg | 40 - 260 mmHg |
| PRESSURE RANGE | 0 - 300 mmHg | 0 - 300 mmHg | 0 - 300 mmHg | 0 - 300 mmHg | 0 - 300 mmHg |
| ACCURACY | ± 3 mmHg | ± 3 mmHg | ± 3 mmHg | ± 3 mmHg | ± 3 mmHg |
| CUFF SIZE | 22-32 cm | 22-32 cm | 25-36 cm | 22-32 cm | 22-32 cm |
| WARRANTY | 2 years | 2 years | 5 years | 2 years | 2 years |
| SHIPPING CARTON | 30 units | 30 units | 30 units | 30 units | 30 units |
| STETHOSCOPE | Not included | Not included | Not included | Not included | Included |
| PRODUCT CODE | PR 310050 | PR 310100 | PR 310200 | PR 315050 | PR 315100 |

ACCESSORIES

| | | | | | |
|---------------------------------|----------|-------|--|----------------------|-----------------------|
| CHILD CUFF 18 - 26cm | 11160 | 11160 | | 11165 | 11165 |
| ADULT CUFF 22 - 32cm | 11161 | 11161 | | 11163 | 11163 |
| OBESE CUFF 33 - 51cm | 11159 | 11159 | | 11164 | 11164 |
| INFLATION BULB | 11162/01 | 11162 | | 11156(w/o regulator) | 11156 (w/o regulator) |
| REGULATOR FOR INFLATION BULB | - | - | | 11156/01 | 11156/01 |



S-10



S-20



S-30



S-100 CARDIO

| | | | | |
|-----------------|-------------------|-------------------|------------------------|--------------------------|
| DIAPHRAGM | Ø 46 mm | Ø 46/30 mm | Ø 46/30 mm | Ø 44 mm |
| TYPE | single headed | double headed | double headed | floating |
| TUBE | 55 cm, PVC Y-tube | 55 cm, PVC Y-tube | 55 cm, double PVC tube | 55 cm, PVC 2 in 1 |
| CHESTPIECE | aluminum alloy | aluminum alloy | aluminum alloy | polished stainless steel |
| WEIGHT | 80 g | 90 g | 225 g | 215 g |
| WARRANTY | 2 years | 2 years | 2 years | 3 years |
| SHIPPING CARTON | 100 units | 100 units | 50 units | 12 units |
| PRODUCT CODE | ST 100000 | ST 100001 | ST 100002 | ST 100100 |

ACCESSORIES

| | | | |
|---------------|------------------|------------------|---------------------|
| SOFT EAR TIPS | 11166 (set of 4) | 11166 (set of 4) | 11166/01 (set of 2) |
|---------------|------------------|------------------|---------------------|



MONITORING BLOOD-OXYGEN SATURATION

Pulse oximeters are devices designed to be **positioned on a finger to get in few seconds the blood-oxygen saturation (SpO₂) level**, expressed as a percentage.

Values above 95% are to be considered natural, and therefore generally good, while the lower they get under that threshold the critical they are (a poorly oxygenated blood does not properly nourish body tissues and organs).

SpO₂ is an important parameter for the **prevention of critical conditions** affecting internal tissues and organic functioning, providing important information to the physician on the possible **presence of serious pathologies** such as: heart failure, arterial stenosis, ARDS (acute respiratory distress syndrome), COPD (chronic obstructive pulmonary disease), pulmonary emphysema, congenital heart defects, cystic fibrosis, critical conditions caused by drugs (allergy or overdose).

More over, the use of a pulse oximeter may be crucial to monitor extreme activities, such as mountaineering at high altitudes or scuba diving, in order to avoid dangerous situations.

CERTIFIED QUALITY

CA-MI has been successfully distributing many models of pulse oximeters suitable for different users and applications.

We are certified medical device manufacturers and always strive to provide the best product and service.



DIAGNOSTICS

PULSE OXIMETERS

DIAGNOSTICS

O₂-EASY



Accurate

High-quality sensor providing precise measurements.



Always with you

Small & lightweight design.



Smart Display

Digital LEDs display with two directions for reading. Displays SpO₂, PR and pulse bar.



Energy save

Low power consumption (batteries last up to 30 hours), automatically shuts off.



Suitable for all ages

Accommodates a wide range of finger sizes from pediatric to adults.

TECHNICAL DATA

| PATIENT RANGE | | Adult and Pediatrics Patients |
|-------------------|---|---|
| SPO ₂ | Measurement range | 0 - 100% |
| | Measurement accuracy | 70 - 100%: ±2%; <69%: no definition |
| | Resolution | 1% |
| PULSE RATE | Measurement range | 30 - 250 bpm |
| | Measurement accuracy | 30 - 99 bpm: ±2 bpm 100 - 250bpm ±2% |
| | Resolution | 1 bpm |
| SIZE | 32 x 58 x 34 mm | |
| WEIGHT | 50g (including two AAA batteries) | |
| POWER SOURCE | 2 x Alkaline Batteries - AAA size, 1.5V | |
| YEARS OF WARRANTY | 2 | |
| SHIPPING CARTON | 40 units | |

INCLUDED ACCESSORIES

1.5V BATTERIES

2 x Alkaline AAA size, replaceable.

HANG LACE

PRODUCT CODE OX 100000

O₂-PLUS



Accurate

Provides superior accuracy results and warns in case of unstable or weak measurement.



Always with you

Small & lightweight design.



Smart Display

Dual color OLED display, with 7 reading modes. Displays SpO₂, PR, perfusion index and pulse bar.



Energy save

Low power consumption, real-time battery status indication, automatically power off.



Suitable for all ages

Accommodates a wide range of finger sizes from pediatric to adults.

TECHNICAL DATA

| PATIENT RANGE | | Adult and Pediatrics Patients |
|-------------------|---|---|
| SPO ₂ | Measurement range | 70% - 100% |
| | Measurement accuracy | 70% - 100%: ±2%; <69%: no definition |
| | Resolution | 1% |
| PULSE RATE | Measurement range | 30 - 250 bpm |
| | Measurement accuracy | 30bpm-99bpm, ±2 bpm 100bpm-250bpm, ±2% |
| | Resolution | 1 bpm |
| PERFUSION INDEX | Measurement range | 0.3%-20.0% |
| SIZE | 32 x 60 x 29 mm | |
| WEIGHT | 50g (including two AAA batteries) | |
| POWER SOURCE | 2 x Alkaline Batteries - AAA size, 1.5V | |
| YEARS OF WARRANTY | 2 | |
| SHIPPING CARTON | 40 units | |

INCLUDED ACCESSORIES

1.5V BATTERIES

2 x Alkaline AAA size, replaceable.

HANG LACE

PRODUCT CODE OX 100200



REHABILITATION

WHEELCHAIRS & WALKERS

A CONCRETE AID FOR EVERYDAY LIFE

As people age, everyday activities previously taken for granted can become difficult or, at times, impossible to perform. In their usual design, common tasks may require the help of other people, creating stress or frustration.

CA-MI rehabilitation range is designed to help people retain independence, providing products aiming to help in the accomplishment everyday task in the easier way.



SAFETY & RELIABILITY AT HAND

CA-MI has selected only high-quality products, made with durable and safe materials.

Convenient to handle, easy to transport and at the same time trustworthy and reliable, thanks to the included safety devices, the whole rehabilitation range aims to provide solutions which guarantee only the best performance.



BME4617

SELF-PROPELLING WHEELCHAIR



Self-propelling

Hand rims on rear wheels allow users to push themselves forward.



Foldable

The chair is designed to fold compactly in size (only 26 cm when closed).



Easy to handle

Lightweight, thanks to its aluminum structure, and easy to store and transport.



Comfortable & customizable

Padded seat and backseat in black nylon with document pocket on the back. Foldable padded armrests covered in black leatherette. Optional padded legrests available.



Made to last

Reduced maintenance and longer life thanks to the high-quality materials: single crossbar powder coated steel frame, rear wheels in rocket aluminum with tubeless PU tires and black painted steel handrails.

INCLUDED ACCESSORIES

PADDED ARMRESTS

Short and foldable covered in black leatherette

ADJUSTABLE FOOTRESTS

in black plastic, removable.

COMFORTABLE CALF STRAP

PRODUCT CODE BME4617

BME4615

TRANSIT WHEELCHAIR



Transit

Small wheels make it easier to manoeuvre in environments where space is limited. Ideal for elderly and disabled users.



Foldable

The chair is designed to fold compactly in size (only 26 cm when closed).



Easy to handle

Lightweight, thanks to its aluminum structure, and easy to store and transport. Operator brake makes the manoeuvre easier.



Comfortable & customizable

Padded seat and backseat in black nylon with document pocket on the back. Foldable padded armrests covered in black leatherette. Optional padded legrests available.



Made to last

Reduced maintenance and longer life thanks to the high-quality materials: single crossbar powder coated steel frame, rear wheels in PU and front wheels in resistant PVC.

INCLUDED ACCESSORIES

PADDED ARMRESTS

Short and foldable covered in black leatherette

ADJUSTABLE FOOTRESTS

in black plastic, removable.

COMFORTABLE CALF STRAP

PRODUCT CODE BME4615

BME861

ROLLATOR WALKER



Foldable

Designed to easily fold compactly in size (only 30 cm when closed).



Easy to handle

Lightweight, thanks to the aluminum structure, and easy to manoeuvre thanks to the two front swiveling wheels.



Safety brakes

The loop brakes are easy to tighten and release, it can be pressed down as the parking brakes to lock the wheels.



Comfortable & convenient

Padded seat and backrest with PVC upholstery. Equipped with a large and convenient shopping bag to carry personal items



Customizable

Adjustable height to fit different users.



Made to last

Reduced maintenance and longer life thanks to the high-quality materials: Aluminum liquid coated frame, 4 PU wheels, foam handle grip.

INCLUDED ACCESSORIES

SHOPPING BAG

to carry personal items

PRODUCT CODE BME861

BME813/01

ROLLATOR WALKER



Easy to handle

Lightweight, thanks to its aluminum structure, and easy to store and transport.



Safe & reliable

Thanks to the two rotating front wheels and the ergonomic SBR rubber handles, the user can walk safely and easily.



Foldable

Designed to easily fold compactly in size, thanks to the single-button system.



Customizable

Adjustable height to fit different users.



Made to last

Reduced maintenance and longer life thanks to the high-quality materials: 1-inch anodized aluminum frame, powder-coated steel crossbar, satin finish surfaces.

PRODUCT CODE BME813/01

BME813

ROLLATOR WALKER



Easy to handle

Lightweight, thanks to its aluminum structure, and easy to store and transport.



Safe & reliable

Thanks to the two fixed front wheels and the ergonomic SBR rubber handles, the user can walk safely and easily.



Foldable

Designed to easily fold compactly in size, thanks to the single-button system.



Customizable

Adjustable height to fit different users.



Made to last

Reduced maintenance and longer life thanks to the high-quality materials: 1-inch anodized aluminum frame, powder-coated steel crossbar, satin finish surfaces.

PRODUCT CODE BME813

BME666

3 IN 1 STANDARD COMMODE CHAIR



Multipurpose

Can be used whether as shower chair or commode chair with bucket or positioning it on the WC.



Safe & reliable

Ergonomic armrest design, comfortable and non-slip armrests to provide the best assistance to get out.



Customizable

Adjustable height to fit different users (44-57cm).



Made to last

Reduced maintenance and longer life thanks to the high-quality materials: powder coating steel frame and resistant plastic, waterproof, durable and easy to clean.

PRODUCT CODE BME666

NEW THERMAR

HEATING PAD



Targeted

The pillow is designed for a targeted application of heat. It is used for therapeutic purposes or simply as a source of immediate relief and relaxation for the body.



Adjustable

The control with display allows the selection of the desired temperature, with 4 levels of intensity adjustment.



Full body

It can be placed on multiple parts of the body (neck, shoulders, back, abdomen and joints).



Smart

Equipped with rapid heating and auto-off functions after 90 minutes.



Soft & igienic

Soft fabric lining washable at 30 °C.

INCLUDED ACCESSORIES

HEATING PILLOW

30 x 40 x 1 cm

POWER CABLE

Length: 2 m

CONTROL WITH DISPLAY

(4 levels)

PRODUCT CODE TM 100100

MAT-130

ANTI DECUBITUS MATTRESS



Adjustable bubbles type

Made of 130 air bubbles and equipped with end flaps for correct positioning in the bed. Pressure can be adjusted to best fit with patient weight.



Delicate

Massages skin delicately at alternating points of contact for improved blood flow and tissue oxygenation preventing bedsores formation.



Safe & non-toxic

Made of highly elastic non-toxic PVC, resistant and easy to clean.



Self inflating

Easily inflates with its own compressor.

INCLUDED PARTS

INFLATABLE MATTRESS

cm 300 x 90 x 6,5, made of PVC

AIR PUMP

230V / 50Hz, Output: 4.5 l/min

PRODUCT CODE DE 620010



BME4617

BME4615

BME861

BME813

BME813/01

BME666

| | | | | | | |
|--|---|----------------|-------------------------|---------------|------------------|---------------|
| SEAT SIZE (W x L x H) | 40/45 x 45 x41 cm | 40 x 45 x41 cm | 30 x 30 cm | — | — | — |
| TOTAL HEIGHT | 90 cm | 90 cm | 90-105 cm Adjustable | Adjustable | Adjustable | Adjustable |
| REAR WHEELS | 60 cm | 30 cm | 15 cm | — | — | — |
| FRONT WHEELS | 20 cm | 20 cm | 15 cm | — | — | — |
| WEIGHT | 18 kg | 15 kg | 6,5 kg | 2,6 kg | 2,25 kg | 8 kg |
| MAXIMUM CAPACITY | 120 kg | 115 kg | 110 kg | 135kg | 110kg | 135kg |
| WARRANTY | 2 | 2 | 2 | 2 | 2 | 2 |
| SHIPPING CARTON | 1 | 1 | 1 | 4 | 4 | 2 |
| PRODUCT CODE | BME4617 Seat width 45 cm. BME4617/01 Seat width 40 cm. BME4617/02 Seat width 45 cm +rear wheels quick release. BME4617/03 Seat width 40 cm +rear wheels quick release. | BME4615 | BME861 | BME813 | BME813/01 | BME666 |
| ACCESSORIES | | | | | | |
| 24" REAR WHEEL all accessories included | BME0005 | | | | | |
| 12" REAR WHEEL all accessories included | BME0002 | | | | | |
| SMALL FRONT WHEEL all accessories included | BME0006 | BME0006 | | | | |
| ARMREST | BME0007 | BME0007 | | | | |
| FOOTRESTS (FOOT BOARD) | BME0008 | BME0008 | | | | |
| LEGREST left+right | BME0009 | BME0009 | | | | |
| ELEVATING LEG REST left+right) | BME0001 | BME0001 | | | | |
| RUBBER TIPS at the bottom | | | | BME0004 | | |
| FRONT WHEEL | | | | BME0003 | | |
| SWIVEL WHEEL | | | | BME0012 | | |
| LEG FRAME | | | | BME0013 | | |



REHABILITATION

INCENTIVE SPIROMETERS

 made in Italy

THE EASY WAY TO EXPAND LUNGS

An incentive spirometer helps the patient to take slow, deep breaths to expand and fill the lungs with air.

This helps preventing lung problems, such as pneumonia. The incentive spirometer is made up of a breathing tube, an air chamber, and an indicator. The breathing tube is connected to the air chamber and has a mouthpiece at the end.

PULMONARY REHABILITATION

The main subjects of pulmonary rehabilitation are patients affected by Chronic Obstructive Pulmonary Disease (COPD), severe respiratory troubles or with post-operation long stay in bed.

A pulmonary rehabilitation program helps minimizing the associated symptoms and reducing of dyspnoea and its related consequences.

This leads to an improvement of patients' quality of life, helping them recovering the ability to perform daily activities, and reducing the anxiety or depression associated with the disease.

Since respiratory rehabilitation at home is one of the best practice in post-operation, devices are easy to use and cost-effective and -most important- they provide indications of daily improvements.



MODULAR AND EASILY DISMOUNTABLE

The whole range of CA-MI incentive spirometers can be disassembled and disinfected to guarantee the best hygienic conditions between uses or patients. In fact, unlike other devices they have consumables that can be washed or replaced.

Moreover, to best suit every patient's condition, they are modular and combinable.

Thanks to a wide set of replaceable spare parts they are the ideal devices to use for more than a patient.

PULMOVOL 25/50

INCENTIVE SPIROMETER



SOFT INHALATION

Volumetric respiratory exerciser used to encourage SMI (Sustained Maximal Inspiration).

IMPROVES RESPIRATORY CONDITIONS

Strengthen respiratory muscles leading progresses in the respiratory functional parameters.

TARGET INDICATOR

Incorporates visual indicators of performance in order to aid the therapist in coaching the patient to optimal performance.

MODULAR

Can be connected with Pulmolift for a full inhalation/exhalation cycle.

HYGIENIC

Can be disassembled for cleaning and washing purposes to guarantee the best hygienic conditions between uses or patients.

MULTI-USER

Replaceable spare parts make it the ideal device to use for more than a patient at home or in hospitals.

INCLUDED ACCESSORIES

AIR TUBE | SP 0156

AIR FILTER | SP 0154

MOUTHPIECE | SP 0155

TECHNICAL DATA

SIZE 21 x 20 x 7 cm

WEIGHT 350 g

WARRANTY 2 years

SHIPPING CARTON 10 units

AVAILABLE MODELS

RE 400210 | PULMOVOL 50 adults model

RE 400211 PULMOVOL 25 pediatric model

PULMOGAIN

INCENTIVE SPIROMETER



DEEP INHALATION

Patient exercises through strong and deep inhalation.

IDEAL FOR REHABILITATION

Helps keep lungs active when the patient is recovering from surgery, as if she was at home performing daily activities.

TRAINER

Designed to improve patient's performance gradually thanks to the 3 variable weight balls /floaters.

MODULAR

Can be connected with Pulmolift for a full inhalation/exhalation cycle.

HYGIENIC

Can be disassembled for cleaning and washing purposes to guarantee the best hygienic conditions between uses or patients.

MULTI-USER

Replaceable spare parts make it the ideal device to use for more than a patient.

INCLUDED ACCESSORIES

AIR TUBE | SP 0156

AIR FILTER | SP 0154

MOUTHPIECE | SP 0155

PLASTIC CAP | SP 0159

TECHNICAL DATA

SIZE 13 x 15 x 7 mm

WEIGHT 250 g

WARRANTY 2 years

SHIPPING CARTON 24 units

AVAILABLE MODELS

RE 400100 | DEVICE + BOX

RE 400110 | DEVICE + NYLON BAG

PULMOLIFT

INCENTIVE SPIROMETER



EXHALATION

Provided with a double one-way valve, it is indicated to exercise and stimulate respiration through expiration.

MODULAR

When assembled with Pulmogain or Pulmovol, full inhalation/exhalation cycle can be trained.

HYGIENIC

Can be disassembled for cleaning and washing purposes to guarantee the best hygienic conditions between uses or patients.

MULTI-USER

Replaceable spare parts make it the ideal device to use for more than a patient.

HANDY

Pocket-size and discreet, exercising can be done anywhere

INCLUDED ACCESSORIES

AIR TUBE | SP 0156

AIR FILTER | SP 0154

MOUTHPIECE | SP 0155

TECHNICAL DATA

SIZE 10 x 4 x 7 mm

WEIGHT 25 g

WARRANTY 2 years

SHIPPING CARTON 50 units

AVAILABLE MODELS

RE 400250/01 | DEVICE + ACCESSORIES for standalone use

RE 400250 | DEVICE ONLY

for use with Pulmovol/Pulmogain



THE BEST TREATMENT FOR VENOUS STASIS

Since their introduction, medical compression stockings constituted the treatment with **the largest impact on venous stasis**, becoming soon the most preferred conservative approach.

The **external counterpressure** provided by those stockings **improves blood's circulation** resolving in this way venous stasis and avoiding at the same time the emergence of possible thrombosis.

Not only: the superficial and deep venous systems are affected so that also **overall blood volume improves**, enhancing the microcirculatory and tissue's condition.



Kàmila is the result of over 40 years of experience in the use of double-covered Lycra yarn.

All of the products exerts an effective decreasing compression from the ankle to the thigh, to promote proper venous outflow.

Kàmila range features **two main categories** of stockings (preventive and medical), both available in different **lengths, colors and sizes**, all of them **100% made in Italy**.



A-T
Pantyhose



A-G
Stay-up



A-D
Knee-high



ATG
Maternity



AGT
Thigh (one-leg)



OPEN TOE



CLOSED TOE

WELLNESS

COMPRESSION THERAPY

 made in Italy

PREVENTION

Preventive stockings with graduated compression, for the wellbeing of every legs.



◀ *Unisex socks, prevention line*

MEDICAL

A line designed for the management and prevention of vascular pathologies.



RAL-GZG 387
QUALITY CERTIFICATE
High-quality compression stockings

◀ *Coty A-D Knee-high open toe, beige*

ACCESSORIES

Kàmila range includes a selection of aids made to improve stockings wearability as well.



◀ *Ezy-as, universal stocking applicator*



40%
compression

THIGH

70%
compression

CALF

100%
compression

ANKLE

GRADUAL COMPRESSION

The compression of elastic stockings is expressed in millimetres of Mercury (mmHg) and it is 100% of the nominal value at the ankle, 70% below the knee and 40% at the thigh.

BROWSE THE COMPLETE
KÀMILA CATALOGUE ONLINE
www.kamilamedical.com →

PREVENTION LINE

MILD COMPRESSION FOR WELL BEING



Wide range of compression levels

Suitable for people who seek a simple distressing effect for their legs or to provide more effective treatment or in presence of minor circulatory pathologies.



Elegance and fashion

More than 30 elegant and renewed models in a great variety of colors for ladies and men.



High-quality yarns

Made with double-covering Lycra®, combined with the most innovative breathable yarns.



The right product for everyone

Each item reports both the weight of the yarn in denier (den) and the compression (mmHg) at the ankle level.

| WEIGHT OF YARN | COMPRESSION | ACTION |
|----------------|-------------|----------------|
| 40 den | 9-11 mmHg | Light Massage |
| 70 den | 12-16 mmHg | Medium Massage |
| 140 den | 18-20 mmHg | Strong Massage |

MEDICAL LINE

VASCULAR PATHOLOGIES MANAGEMENT



RAL-GZG 387



Designed for vascular pathologies

A range of products that meets specific needs such as therapies post-operative, cases of ulcers, post plaster cast and varicosity prophylaxis.



Durable

Pressure generated by the compression socks is guaranteed to remain constant for 6 months from the first day of use.



High-quality yarns

Safest non-toxic cotton or microfiber yarns.



3 classes of compression

In compliance with German classification to suit different therapeutic indications, including varicose veins, deep venous thrombosis, chronic venous insufficiency, lymphoedema.

| CLASS | COMPRESSION | MATERIAL |
|-----------------|-------------|------------------------------|
| KKL I | 18-21 mmHg | Microfiber / Cotton |
| KKL II | 23-32 mmHg | Microfiber / Cotton |
| CL 2 (american) | 30-40mmHg | Polyamide/Elastam/ Cotton |
| KKL III | 34-46 mmHg | Cotton |

BEAUTIFUL LEGS

PRESSOTHERAPY



Legs health & wellness

Reactivates circulation effectively, reducing water retention and minimizing cellulite imperfection.



Beauty or medical mode

Two treatment modes available: by alternating between compression and decompression it provides medical or beauty treatments improving lymphatic drainage and restoring circulation and venous activities.



Adjustable treatment duration

Patients can choose 10, 20 or 30 minutes according to their own conditions and/or medical prescription.



Completely customizable

Pressure range from 20 to 250 mmHg. Each garment has 4 inflation chambers: during therapy they can be partially disabled.



Whole body treatment

9 different kind of cuffs to cover the entire body.

INCLUDED ACCESSORIES

TWO LEGS CUFFS (LARGE)

SIZE: 110 x 30 cm CODE: L-1002L

OPTIONAL ACCESSORIES

LEG CUFF (SMALL)

SIZE: 90 x 30 cm CODE: L-1001S

LEG CUFF (LARGE)

SIZE: 110 x 30 cm CODE: L-1001L

LEG CUFF (EXTRA-LARGE)

SIZE: 110 x 38 cm CODE: L-1001XL

LEG CUFF (XXL)

SIZE: 110 x 48 cm CODE: L-1001XXL

WAIST CUFF (SMALL)

SIZE: 120 x 40 cm CODE: W-1001

WAIST CUFF (LARGE)

SIZE: 145 x 40 cm CODE: W-1001L

ARM CUFF (SMALL)

SIZE: 70 x 25 cm CODE: A-1001S

ARM CUFF (LARGE)

SIZE: 90 x 25 cm CODE: A-1001L

PRODUCT CODE PT 1002



▲ *Single leg cuff XL*
Size 110x38cm



▲ *Waist cuff*
Size 145x40cm



▲ *Single Arm cuff*
Size 70x25cm



▲ *Two legs cuffs*
Size 110x30cm



WELLNESS

HEMOCARE

WELLBEING RIGHT AT HOME

A range of devices conceived for at-home holistic experiences that extend across physical and mental health: personal care routine is turned into small daily rituals for self-improvement that are guaranteed by CA-MI's quality signature.



360° WELLNESS

A comprehensive line of products finding customer's satisfaction worldwide.

CA-MI pays special attention to the selection of the materials and to reduce the environmental impact aiming to provide state-of-the-art technologies combined with simplicity of use, for all ages.



LIGHTTOOTH

WATER FLOSSER



Complete prevention

The five included accessories make it the ideal tool for daily hygiene of teeth, gums and tongue.



High-capacity

Can contain up to 800ml of water.



Quiet



Sonic vibration

High-speed hair brush vibration, removing thoroughly sticky dental plaque deep down to the gum line.



Multiple speeds

Allows to decrease or increase the water pressure to provide a gentle cleaning of sensitive areas or a deep and targeted one.

INCLUDED ACCESSORIES

- 1 X SUBGINGIVAL TIP
- 2 X VIBRATING BRUSH HEADS
- 1 X SOFT GUM MASSAGER
- 1 X TONGUE CLEANER
- 1 X WATER JET TIP

PRODUCT CODE BD 100000/01

FAMILY TEETH

ELECTRIC TOOTHBRUSH



Sonic vibration

High speed hair brush vibration, removing thoroughly sticky dental plaque deep down to the gum line.



USB-Friendly

Rechargeable battery powered by micro-USB charger, to use it anywhere



Multi-function

3 washing modes (white/ clean/ sensitive) and 3 massages modes



Time alert

Automatic short stop every 30 sec., reminding the user to brush the next sextant of the mouth.



Ergonomic & gentle

Ergonomic DuPont head with soft bristles

INCLUDED ACCESSORIES

- MICRO-USB CHARGER
to charge the toothbrush anywhere
- 2 BRUSH-HEADS

PRODUCT CODE SE 100001

SPRINT

ELECTRONIC SCALE



360° monitoring

Records 6 different body parameters: weight, fat mass, body hydration, bone mass, muscle mass, basal metabolic rate.



Multiple profiles

Setting and records of values of up to 10 users, making it the ideal device for the whole family.



Clear Read

Wide and easy-to-read 92x82mm LCD display



4-sensor accuracy

with 4 high-quality weight sensors.



Slim design

Only 23,5 mm thick, exceptionally easy to store



Elegant & durable

Tempered black glass finishing.



Energy save

Automatically shuts off after 10 seconds.



Weight selector

Manual selection of weight unit to metric (Kg) or imperial (Lb)

INCLUDED ACCESSORIES

1.5V BATTERIES

3 x Alkaline AAA size, replaceable.

PRODUCT CODE BL 100002

DEFILÈ

ELECTRONIC SCALE



Clear Read

Wide and easy-to-read 92x82mm LCD display



4-Sensor accuracy

with 4 high-quality weight sensors.



Slim design

Only 17,5 mm thick, exceptionally easy to store.



Elegant & durable

Tempered black glass finishing.



Energy save

Automatically shuts off after 10 seconds.



Weight selector

Manual selection of weight unit to metric (Kg) or imperial (Lb)

INCLUDED ACCESSORIES

LITHIUM BATTERY

1 x 3V DC lithium battery (CR2032).

PRODUCT CODE BL 100001

BAMBY

BABY ELECTRONIC SCALE



Superior accuracy

Thanks to its 4 high-quality sensors detects even small changes in weight (5g).



Monitors every step

Made to measure the weight of newborns, toddlers and young kids (0,5-20kg).



Durable materials

Made of sturdy and long-lasting ABS plastic.



Energy save

Automatically shuts off after 10 seconds.

INCLUDED ACCESSORIES

LITHIUM BATTERY

1 x 3V DC lithium battery (CR2032).

PRODUCT CODE BL 10003



HUMI RAINBOW

HUMIDIFIER



LONG AUTONOMY

The 2,8l tank delivers 280 ml/h for max 10 hours non-stop.

ADJUSTABLE

360° rotation of the outlet head with mist output adjustable in any direction.

CHROMO-THERAPY

Automatic 7-led colours change.

AROMA-THERAPY

Dedicated tank for aromatic essence oils.

SUITS ANY ROOM

Designed to humidify rooms from 10 to 25 m².

PRODUCT CODE UM 100500

ESSENTIA

HUMIDIFIER



ELEGANT DESIGN

Made of polished natural materials such as oak and satin blown glass.

CHROMO AND SOUND THERAPY

7 colours settable automatic or steady, and stream sound effect.

LONG AUTONOMY

The 85ml tank delivers 16ml/h for 6-8 hours non-stop.

AROMA-THERAPY

Suitable for aromatic essence oils.

SUITS ANY ROOM

Designed to humidify rooms from 10 to 25 m².

PRODUCT CODE UM 100600

OLYSAN

AROMATIC ESSENCE OILS



WIDE-RANGE COMPATIBILITY

Suitable for use with Humi-Rainbow, Essentia or any other humidifier.

PURIFY AND SCENT

A mix of natural and balsamic essences to purify and scent the environment and help respiration, with a pleasant sensation.

SANITIZER ACTION

Protect the living and working areas with antiseptic and antibacterial action.

PRODUCTS RANGE

OLYSAN PINE & TEA TREE

A resinous woody fragrances, with antiseptic and antibacterial action.

OLYSAN CITRUS

The enchanting fruity flavor of the Mediterranean region.

OLYZANZ

Made with lavender, lemongrass and geranium: an excellent natural remedy to keep mosquitoes away.

OLYSENS

A unique fragrance appreciated by ladies and men, enriching couples experience, by stimulating the production of pheromones.

PRODUCTS' CODES

00304 | OLYSAN PINE & TEATREE

size 15ml

00305 | OLYSAN CITRUS

size 15ml

00306 | OLYZANZ

size 15ml

00307 | OLYSENS

size 15ml



DEFILÉ

SPRINT

BAMBY

| | | | |
|-------------------------|------------------------------------|------------------------------------|------------------------------------|
| CAPACITY | 4,5 - 180 Kg 9,90 - 397 Lb | 3 - 180 Kg 6,60 - 397 Lb | 0,5 - 20 Kg 11 - 44 Lb |
| SCALE INTERVAL | 100 g | 100 g | 5 g |
| LCD DISPLAY SIZE | 73 x 34 mm | 92 x 82 mm | 72 x 28 mm |
| POWER SUPPLY | 1 x 3V DC lithium battery (CR2032) | 3 x 1.5V DC AAA-type battery | 1 x 3V DC lithium battery (CR2032) |
| BATTERY LIFE | 2 measurements/day -6 months | 3.000 measurements / - 6 months | 3.000 measurements |
| SIZE | 302 x 302 x 17,5 mm | 300 x 300 x 23,5 mm | 560 x 330 x 53 mm |
| WEIGHT | 1,52 Kg | 1,56 Kg | 4,5 Kg |
| WARRANTY | 2 years | 2 years | 2 years |
| SHIPPING CARTON | 6 units | 6 units | 2 units |
| PRODUCT CODE | BL 100001 | BL 100002 | BL 100003 |



FAMILY-TEETH

| | |
|--------------------------|-----------------------|
| BATTERY | 14500 lithium Battery |
| BATTERY CAPACITY | 400mAh |
| POWER SUPPLY | DC 3.7V |
| POWER CONSUMPTION | 1.0W |
| IP PROTECTION | IPX7 |
| CHARGING METHOD | USB |
| INPUT | DC5V-1A |
| WEIGHT | 65g |
| SIZE | 222 x 23mm |
| WARRANTY | 2 years |
| SHIPPING CARTON | 50 units |
| PRODUCT CODE | SE 100001 |



LIGHTTOOTH

| | |
|---|---------------------------------|
| HYDROPULSE POWER SUPPLY | 100-240V / 50-60Hz |
| HYDROPULSE ABSORBED POWER | MAX: 15W |
| SONIC VIBRATION POWER SUPPLY | 1,5 V alkaline battery type AAA |
| SONIC VIBRATION ABSORBED CURRENT | 0.19A |
| WEIGHT | -0,4 kg a |
| SIZE | 111 x 150x 197 (H) mm |
| BASIN VOLUME | MAX: 800 ml |
| ELECTRIC BASE WATER PROTECTION | IPX4 |
| HANDLE WATER PROTECTION | IPX7 |
| WARRANTY | 2 years |
| SHIPPING CARTON | 6 Units |
| PRODUCT CODE | BD 100000/01 |



HUMI.RAINBOW



ESSENTIA

| | | |
|----------------------------|-------------------|--|
| WATER TANK CAPACITY | 2,8 l | 85 ml |
| SPRAYING SPEED | 280 ml/h | 16 ml/h |
| ROOM DIMENSION | 10 - 25 m | 25 m2 max. |
| MAX OPERATION TIME | 10 h | 8 h |
| POWER SUPPLY | 100 -240V 50/60Hz | 100-240V / 50-60Hz (with 24V adapter unit) |
| POWER CONSUMPTION | 23W | 9W |
| CABLE LENGTH | 1,5 m | 1,5 m |
| SIZE | 19 x 19 x 30 cm | 8.5 x 8.5 x 15.1 cm |
| WEIGHT | 1.40 kg | 0.64 kg |
| WARRANTY | 2 years | 2 years |
| SHIPPING CARTON | 6 units | 8 units |
| PRODUCT CODE | UM 100500 | UM 100600 |



START OFF ON THE RIGHT FOOT

Every mum wants what's best for her baby from day one. Then it's good to know there is expert advice on hand to help take care of mums and babies during the first stage of their lives. CA-MI products will support the choices of mums in every field of babies' growth, as this company aims to help every mum to make her baby start off on the right foot.



▲ *Thermo Baby, p. 60*

A WHOLE WORLD FOR NEWBORNS CARE

CA-MI products are selected to support every mum's choice. Hence, whether it's breastfeeding or bottle-feeding, and while monitoring and taking care of the baby's health, CA-MI's there from the very first steps.

BABY-CARE



THE IMPORTANCE OF BREASTFEEDING

Breast milk is the best for the baby's start in life. It contains all the necessary substances to satisfy the nutritional and psychological needs of the newborn up to the age of 6 months and provides natural protection against infections as well as supporting the infant's ongoing health and development. CA-MI 's breast pumps are designed to help mothers in the breastfeeding journey, making it easier and comfortable to give their children all the advantages of breast milk.

SAFE & HYGIENIC

Made of medical grade silicone, safe to use and easy to sterilize.

COMFORTABLE

Soft, flexible cushion, feels extra comfortable on the breast.

ADJUSTABLE

Aspiration can be adjusted to respect maternal breast sensibility and guarantee painless milk extraction.



Comfortable
EASY-TO-USE

▲ Mamy Milk p.58

GENTLE & SAFE

CA-MI products are made only with the best materials to guarantee that every baby is treated with the gentleness and safety they deserve.

▲ Funny Teeth p. 59



MANUAL MILK

BREAST PUMP



Safe and hygienic materials

Made of medical grade silicone, safe to use and easy to sterilize.



Ergonomic

Compact design, easy to hold and position on your breast.



Extra comfortable

Soft, flexible cushion, feels extra comfortable on the breast.

INCLUDED ACCESSORIES

NIPPLE SHIELD

made of soft and hygienic silicone

MILK BOTTLES ADAPTER

Universal model

MILK BOTTLE

Size: 140ml, with nipple and protecting cap

SPARE VALVE

PRODUCT CODE DC 600100

MAMY MILK

BREAST PUMP



10 adjustable speeds

Aspiration can be adjusted to respect maternal breast sensibility and guarantee painless milk extraction.



Safe and hygienic materials

Made of medical grade silicone, safe to use and easy to sterilize.



Ergonomic

Compact design, easy to hold and position on your breast.



Extra comfortable

Soft, flexible cushion, feels extra comfortable on the breast.

INCLUDED ACCESSORIES

NIPPLE SHIELD

made of soft and hygienic silicone

MILK BOTTLE

Size: 140ml, with nipple and protecting cap

AIR TUBE

SUPPORT BASE

AC/DC POWER ADAPTER

Input: 100-240V 50-60Hz 0,4A

USB CABLE

PRODUCT CODE DC 650000

NEW MUKY

NASAL INSPIRATOR



Optimal aspiration

Removes thick mucus effectively thanks to the max suction power of 58 kPa.



Easy to clean

It can be easily disassembled for cleaning.



Entertaining

Plays a sweet melody for baby entertainment.



Soft & gentle

Thanks to its gentleness an be used from the first days of life.



2 adjustable speeds

Aspiration can be adjusted to the desired speed.

INCLUDED ACCESSORIES

NARROW TIP

made of soft and hygienic silicone

LARGE TIP

made of soft and hygienic silicone

1,5V BATTERIES

2 x Alkaline AA size, replaceable.

PRODUCT CODE DC 656000

FUNNY TEETH

KIDS ELECTRIC TOOTHBRUSH



Sonic vibration

High-speed hairbrush vibration, removing thoroughly sticky dental plaque deep down to the gum line.



USB-Friendly

Rechargeable battery powered by micro-USB charger, to use it anywhere.



Multi-function

3 washing modes (white/ clean/ sensitive) and 3 massages modes.



Time alert

Automatic short stop every 30 sec., reminding the user to brush the next sextant of the mouth.



Ergonomic & gentle

Ergonomic DuPont head with soft bristles.



Baby friendly

Easy to hold thanks to its small size and pleasant thanks to the cartoon design.

INCLUDED ACCESSORIES

MICRO-USB CHARGER

to charge the toothbrush anywhere

2 BRUSH-HEADS

PRODUCT CODE SE 100002

THERMO BABY

BOTTLE WARMER



UNIVERSAL

Suitable for all milk bottles models.

RELIABLE

Warms milk gradually and in a uniform way.

MULTIFUNCTION

3 modes helping mothers taking care of their babies:

40° C Defrosts and keeps warm

70° C Heats baby food

100° C Sterilizes small items

STERILIZE MODE

Can be used to sterilize small objects.

ENERGY SAVE

Automatically shuts off after 10 seconds.

INCLUDED ACCESSORIES

FOOD WARMER

with cover

AC/DC POWER ADAPTER

220-240V, 50Hz, 220W

PRODUCT CODE BW 100200

AIR BABY

BABY AIR DRYER



ANTI-SCALD

In order to treat the baby skin gently it reaches a maximum temperature of 45 °C.

SILENT

It doesn't annoy babies with loud noise.

DOUBLE SPEED

Works at 2 different speed

ERGONOMIC

Easy to hold and store, thanks to the foldable handle.

INCLUDED ACCESSORIES

AIR CONVEYOR

PRODUCT CODE PH.3307

BAMBY

BABY ELECTRONIC SCALE



SUPERIOR ACCURACY

Thanks to its 4 high-quality sensors detects even small changes in weight (5g).

MONITORS EVERY STEP

Made to measure the weight of newborns, toddlers, and young kids (0,5-20kg).

DURABLE MATERIALS

Made of sturdy and long lasting ABS plastic.

ENERGY SAVE

Automatically shuts off after 10 seconds.

INCLUDED ACCESSORIES

LITHIUM BATTERY

1 x 3V DC lithium battery (cr2032)

PRODUCT CODE BL 100003



SUCTION

SURGICAL SUCTION UNITS

 made in Italy

SUCTION

MEDICAL SUCTION

Surgical suction units are medical devices used to remove surgical fluids, tissue, gases and bodily fluids by sucking the material through a cannula into a collection jar.

Thanks to its thirty-years experience, CA-MI designed a complete line of high-quality vacuum solutions combining reliable suction power, ease of use and handling.

CA-MI suction units can be divided in three main categories to suit different needs and settings such as wards, theaters, ambulances, home-care etc.

CATEGORIES



Desk-type

Portable suction units with reduced size and weight that can be easily displaced. Trolley on castors available as an option.



Battery-operated

Suction units that besides standard operation by mains have autonomy by internal rechargeable battery.



On-castors

Professional suction units on antistatic castors, offering a great choice of accessories for various applications.

DESK-TYPE / BATTERY OPERATED MODELS



ANTIBACTERIAL/HYDROPHOBIC FILTER

Single-patient filters to avoid cross contaminations and liquid passage to the pump.

LIQUID COLLECTION JAR

Single or multiple containers in different sizes and materials, reusable or disposable. Provided with cover and overflow valve system.

VACUUM REGULATOR

Manual knob/digital keys for accurate adjustment of vacuum levels.

VACUUM GAUGE

Analogic display in different diameters with graduated scale in mmHg and kPa (interval by 5).

ON/OFF SWITCH

Mechanical or digital switch.

CONICAL CONNECTOR

Different diameters to connect any type of cannula.

ON-CASTORS MODELS



MPR SYSTEM (MULTI-PURPOSE RAIL)

Easy interchange of CA-MI accessories, such as rings of various diameters to accommodate jars, safety trap bottles, cannula holders or a standard medical rail where to hook any accessory by means of standard clamps.

SAFETY TRAP BOTTLE

An additional protection of the pump besides the overflow valve system inside every jar.

HANDLE

for easy displacement

REAR COMPARTMENT

for accessory storage.

4 X TWIN ANTISTATIC CASTORS

Ø 75 mm with brakes with 360° swivel.

FOOT-SWITCH PEDAL

for intermittent or continuous use.

NEW ASPIRET

SURGICAL SUCTION UNIT



Non-stop operation

In order to guarantee the best performance, device can work without interruption 24/24h.



Small size & lightweight

Can be placed anywhere and easily moved.



High-quality materials

The chassis is made of VO(UL94) ABS durable plastic.



Long lasting accessories

Accessories are made in resistant, autoclavable materials to guarantee safety and hygiene over time.

INCLUDED ACCESSORIES

JAR OR FLOVAC SYSTEM

+ overflow valve system (see model specifications)

AUTOC LAVABLE SILICONE TUBES

Tubes (ø 0,6/1 x 13 or 26 cm) + 1 patient tube (140 cm)

CONICAL CONNECTOR

ø 8-9-10mm

ANTIBACTERIAL & HYDROPHOBIC FILTER

single-patient

CH20 CANULA

POWER CORD WITH SCHUKO PLUG

PRODUCTS' CODES

RE 310001

+1000 ml autoclavable jar (Makrolon 121°C)

RE 310001/01

+2000 ml autoclavable jar (Makrolon 121°C)

RE 310002

+1000 ml Flovac System

RE 310002/01

+2000 ml Flovac System

NEW ASKIR 30

SURGICAL SUCTION UNIT



Non-stop operation

In order to guarantee the best performance, device can work without interruption 24/24h.



Small size - high performance

Thanks to its powerful engine it can reach a max vacuum power of -0,80 Bar



High-quality materials

The chassis is made of VO(UL94) ABS durable plastic.



Long lasting accessories

Accessories are made in resistant, autoclavable materials to guarantee safety and hygiene over time.

INCLUDED ACCESSORIES

JAR OR FLOVAC SYSTEM

+ overflow valve system (see model specifications)

AUTOC LAVABLE SILICONE TUBES

Tubes (ø 0,6/1 x 13 or 26 cm) + 1 patient tube (140 cm)

CONICAL CONNECTOR

ø 8-9-10mm

ANTIBACTERIAL & HYDROPHOBIC FILTER

single-patient

CH20 CANULA

POWER CORD WITH SCHUKO PLUG

PRODUCTS' CODES

RE 310100/02

+1000 ml autoclavable jar (Makrolon 121°C)

RE 310100/03

+2000 ml autoclavable jar (Makrolon 121°C)

RE 310101/02

+1000 ml Flovac System

RE 310100/53

+2000 ml Flovac System

NEW ASKIR 118

SURGICAL SUCTION UNIT



Designed for emergency

Designed to be easily and securely installed in ambulances, the device is light, small and powerful.



Non-stop operation

In order to guarantee the best performance, device can work without interruption 24/24h.



Proximity sensor

Thanks to this technology the device can be easily turned on or off contactless.



High-performance battery

Powered by a small but long-lasting lithium battery which can be recharged countless times.



Energy save mode

The power consumption is cut-down at the very least during inactivity, guaranteeing the best performances during aspiration.

INCLUDED ACCESSORIES

JAR OR FLOVAC SYSTEM

+ overflow valve system (see model specifications)

AUTOCLAVABLE SILICONE TUBES

Tubes (ø 0,8/1,4 x 18 cm) + 1 patient tube (150 cm)

CONICAL CONNECTOR

ø 10-11-12 mm

ANTIBACTERIAL & HYDROPHOBIC FILTER

single-patient

CH20 CANULA

UNIVERSAL SWITCHING POWER ADAPTER +CABLE

100-240V 50/60Hz

12V CAR ADAPTER or POWERED AMBULANCE WALL MOUNT+PROTECTIVE CARRYING CASE

PRODUCTS' CODES

Regular Setup (CAR ADAPTER)

RE 410151 +1000 ml autoclavable jar (Makrolon 121°C)

RE 410151/01 +2000 ml autoclavable jar (Makrolon 121°C)

RE 410151/02 +1000 ml Flovac System

Ambulance Setup (WALL MOUNT+ CARRYING CASE)

RE 410150 +1000 ml autoclavable jar (Makrolon 121°C)

RE 410150/01 +2000 ml autoclavable jar (Makrolon 121°C)

RE 410171/02 +1000 ml Flovac System

NEW HOSPIVAC 400

SURGICAL SUCTION UNIT



Non-stop operation

In order to guarantee the best performance, engine can work without interruption 24/24h.



Change-over system

Automatically switches the two jar in during operation.



Safety protection

3 protection systems against internal reflux.



Multi-Purpose Rail System

Flexible rail that allows the rapid change of containers.

INCLUDED ACCESSORIES

Basic Setup

JAR OR FLOVAC SYSTEM

+ overflow valve system (see model specifications)

AUTOCLAVABLE SILICONE TUBES

Tubes (ø 0,8/1,4 x 18 cm) + 1 patient tube (150 cm)

ANTIBACTERIAL & HYDROPHOBIC FILTER

single-patient

SAFETY TRAP BOTTLE

220 ml

CONICAL CONNECTOR

ø 10-11-12 mm

JARS ACCOMODATION RINGS

3 sizes, depending on the model

AIR SUCTION INLET

POWER CORD

FS Setup

ALL THE ABOVE-MENTIONED ACCESSORIES

+ FOOT-SWITCH PEDAL

with intermittent or continuous operation

Full Setup

ALL THE ABOVE-MENTIONED ACCESSORIES

+ CHANGE-OVER SYSTEM

from jar to jar by soft-touch keys

MORE DETAILS AVAILABLE IN THE
SURGICAL SUCTION UNITS CATALOGUE



**NEW ASKIR
230/12V BR**



ASKIR 36 BR



**NEW ASKIR
36 LI-ON**



**NEW ASKIR
118**



**NEW ASKIR
118 BASIC**



**ASKIR C30
BR**



**NEW
HOSPIVAC
BR**

| | | | | | | | |
|--|--|--|---|--|--|--|--|
| TYPE | Table top, single jar | Table top, single jar | Table top, single jar | Table top, single jar | Table top, single jar | On castors, twin jar | On castors, twin jar |
| MOTOR | Oiless and maintenance-free piston pump | Oiless and maintenance-free piston pump | Oiless and maintenance-free piston pump | Oiless and maintenance-free piston pump | Oiless and maintenance-free piston pump | Oiless and maintenance-free piston pump | Oiless and maintenance-free piston pump |
| POWER FEEDING | Power Adapter IN: 100-240 Vca; 50/60 Hz; 100 VA OUT: 14 Vcc 4 A Lead Battery 14.8 Vcc; 5.2 A Car adapter 12 Vcc; 1,9 A | Power Adapter IN: 100-240 Vca; 50/60 Hz; 100 VA OUT: 14 Vcc 4 A Lead Battery 14.8 Vcc; 5.2 A Car adapter 12 Vcc; 4 A | Power Adapter IN: 100-240 Vca; 50/60 Hz; 100 VA OUT: 14 Vcc 4 A Lithium-Ion Battery 14.8 Vcc; 5.2 A Car adapter 12 Vcc; 4 A | Power Adapter IN: 100-240 Vca; 50/60 Hz; 100 VA OUT: 14 Vcc 4 A Lithium-Ion Battery 14.8 Vcc; 5.2 A Car adapter 12 Vcc; 4 A Wall mount for ambulance 12V 4A | Power Adapter IN: 100-240 Vca; 50/60 Hz; 100 VA OUT: 14 Vcc 4 A Lithium-Ion Battery 14.8 Vcc; 5.2 A Car adapter/ambulance wall mount 12 Vcc; 4 A | Power Adapter IN: 100-240 Vca; 50/60 Hz; 100 VA OUT: 14 Vcc 4 A Lead Battery 14.8 Vcc; 5.2 A Car adapter 12 Vcc; 4 A | Power Adapter (internal) 220-230V / 50-60Hz Lead Battery 12V 20A |
| BATTERY AUTONOMY | 80 min after 4 hrs recharge | 60 min after 4 hrs recharge | 70 min after 6 hrs recharge | 70 min after 6 hrs recharge | 70 min after 6 hrs recharge | 60 min after 4 hrs recharge | 250 min after 8 hrs recharge |
| ISO 10079-1 CLASSIFICATION | High Vacuum / Low Flow | High Vacuum / High Flow | High Vacuum / High Flow | High Vacuum / High Flow | High Vacuum / High Flow | High Vacuum / High Flow | High Vacuum / High Flow |
| MAX VACUUM adjustable | -0,75 bar -75 kPa -563 mmHg | -0,80 Bar -80 kPa -600 mmHg | -0,80 Bar -80 kPa -600 mmHg | - 0,75 bar -75 kPa - 563 mmHg | - 0,75 bar -75 kPa - 563 mmHg | -0,80 Bar -80 kPa -600 mmHg | -0,85 bar -85 kPa -637,5 mmHg |
| MAX FREE AIR FLOW RATE | 16 l/min | 36 l/min | 36 l/min | 26 l/min | 36 l/min | 36 l/min | 50 l/min |
| NOISE LEVEL | 63,0 dB(A) | 65,5 dB(A) | 60 dB(A) | Min, 46,7 dB Max, 61,8 dB (depending on power supply) | 54,7 - 68,2 dB(A) (depending on power supply) | 65,5 dB(A) | 60,5 dB |
| DUTY CICLE | Non-stop operation (by mains only) | Non-stop operation (by mains only) | Non-stop operation (by mains only) | Non-stop operation (by mains only) | Non-stop operation (by mains only) | Non-stop operation (by mains only) | Non-stop operation (by mains only) |
| PROXIMITY® FUNCTION | - | - | Yes | Yes | Yes | - | - |
| IP PROTECTION DEGREE | IP21 | IP21 | IP22 | IP22 | IP22 | - | - |
| WEIGHT unit packed with all accessories | 3,50 Kg | 4,06 Kg | 3,00 Kg | 2,70 Kg | 2,50 Kg | 17,98 Kg | 20,0 Kg |
| DIMENSIONS | cm 35x18x21 | cm 35x18x21 | cm 35x18x21 | cm 35x15x19 | cm 35x15x19 | cm 32x30x99 | cm 46x42x85 |
| WARRANTY | 2 years | 2 years | 2 years | 2 years | 2 years | 2 years | 2 years |
| SHIPPING CARTON | 3 | 3 | 2 | 2 | 2 | 1 | 1 |
| MANUFACTURING COUNTRY | Italy | Italy | Italy | Italy | Italy | Italy | Italy |

**NEW ASPIRET****NEW ASKIR 20****NEW ASKIR 30****NEW ASKIR 30 PROXIMITY****NEW ASKIR 30 12V****NEW EMIVAC****ASKIR C30****NEW HOSPIVAC 350****NEW HOSPIVAC 400**

| | | | | | | | | |
|---|---|---|---|---|-----------------------------------|---|---|---|
| Table top, single jar | Table top, single jar | Table top, single jar | Table top, single jar | Table top, single jar, for ambulance only | Manual pump, single jar | On castors, twin jar | On castors, twin jar | On castors, twin jar |
| Oiless and maintenance-free piston pump | Oiless and maintenance-free piston pump | Oiless and maintenance-free piston pump | Oiless and maintenance-free piston pump | Oiless and maintenance-free piston pump | - | Oiless and maintenance-free piston pump | Oiless and maintenance-free piston pump | Oiless and maintenance-free piston pump |
| 220-230V / 50-60Hz or 120-127V / 60Hz | 220-230V / 50-60Hz | 220-230V / 50-60Hz or 110-127V / 60Hz | 220-230V / 50-60Hz | Car adapter 12V dc; 1,9 A | Foot operated by pedal | 220-230V / 50-60Hz | 220-230V / 50-60Hz or 110-127V / 60Hz | 220-230V / 50-60Hz |
| - | - | - | - | - | - | - | - | - |
| High Vacuum / Low Flow | High Vacuum / Low Flow | High Vacuum / High Flow | High Vacuum / High Flow | High Vacuum / High Flow | Medium Vacuum | High Vacuum / High Flow | High Vacuum / High Flow | High Vacuum / High Flow |
| -0,75 bar -75 kPa -563 mmHg | -0,75 bar -75 kPa -563 mmHg | -0,80 Bar -80 kPa -600 mmHg | -0,80 Bar -80 kPa -600 mmHg | -0,75 bar -75 kPa -563 mmHg | -0,40 bar -40 kPa -300 mmHg | -0,80 Bar -80 kPa -600 mmHg | -0,90 bar -90 kPa -675 mmHg | -0,90 bar -90 kPa -675 mmHg |
| 15 l/min | 16 l/min | 40 l/min | 40 l/min | 25 l/min | 22 l/min (mean value) | 40 l/min | 60 l/min | 90 l/min |
| 59,6 dB(A) | 60,5 dB(A) | 60,5 dB(A) | 60,5 dB(A) | 61,5 dB(A) | - | 61,5 dB(A) | 51,7 dB(A) | min, 46,4 dB(A) |
| Non-stop operation | Non-stop operation | Non-stop operation | Non-stop operation | On: 20min - Off: 40min | - | Non-stop operation | Non-stop operation | Non-stop operation |
| - | - | - | Yes | - | - | - | - | - |
| IP21 | IP21 | IP21 | IP21 | - | - | - | - | - |
| Kg 2,20 | Kg,50 | Kg 3,60 | Kg 3,60 | Kg 2,50 | Kg 1,15 | Kg 6,20 | Kg 13,0 | Kg 20,0 |
| cm 19x23x15 | cm 35x18x21 | cm 35x18x21 | cm 35x18x21 | cm 35x18x21 | cm 22x16x8 | cm32x30x99 | cm 46x42x85 | cm46x42x85 |
| 2 years | 2 years | 2 years | 2 years | 2 years | 2 years | 2 years | 2 years | 2 years |
| 4 | 3 | 3 | 3 | 4 | 6 | 1 | 1 | 1 |
| Italy | Italy | Italy | Italy | Italy | Italy | Italy | Italy | Italy |

MORE DETAILS AVAILABLE IN THE **SURGICAL SUCTION UNITS CATALOGUE**

FLOVAC® SYSTEM



Flovac® system replaces therefore the use of autoclavable jars, decreasing the costs for cleaning and sterilization. A full line of accessories make flovac® line the ideal partner for collecting liquids and fluids.

Flovac® disposable liner

A soft polyethylene bag hermetically welded to a rigid lid. It contains a hydrophobic, antireflux and antibacterial filter that also operates as overflow valve system*.

1000 ml / 2000 ml / 3000 ml

Rigid lid

hermetically welded to the soft bag

PATIENT PORT (MALE)

connecting to the patient hose

VACUUM PORT (FEMALE)

connecting to CA-MI suction units

TANDEM PORT

for connection of several liners in cascade

TANDEM PORT PLUG

to close the tandem port when only one container is in use or before disposal

PATIENT PORT PLUG

to close the patient port before disposal

Flovac® reusable container

Reusable and autoclavable rigid container in polycarbonate.

1000 ml / 2000 ml / 3000 ml

Flovac Liner specs

| | |
|-------------------------|---|
| LID MATERIAL | HDPE (high density polyethylene) |
| VACUUM port | Conic connector, female |
| PATIENT port | Ø 14.0 ÷ 15.5 mm (Ø 8.0 ÷ 9.2 mm with elbow connector) |
| TANDEM port | Ø 8.0 ÷ 9.2 mm |
| Max suction value | -950 mbar/ 5 min |
| Max graduation interval | 50 ml |
| Patient hose size | Inner Ø ≥ 6 mm L=2.5 m max |
| Vacuum hose size | Inner Ø ≥ 6 mm L=1.8 m max |

Flovac Filter specs

| | |
|---------------------------------|--|
| Filtration efficiency (typical) | >99.999995% with particle size of 0.1 µ |
| MEMBRANE | 100% expanded PTFE GORE™ Medical Membrane |
| Prefilter | micro fiberglass |
| Support | non-woven PE/PES |

*OVERFLOW VALVE

Flovac® disposable containers are equipped with a Gore™ medical membrane hydrophobic filter with antibacterial, anti-foaming and electrosurgical smoke protection.



MORE DETAILS AVAILABLE IN THE SURGICAL SUCTION UNITS CATALOGUE



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Langhirano (PR), Italy

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+39 0521 639041

www.ca-mi.it





EC Certificate

Production Quality Assurance System
Directive 93/42/EEC on Medical Devices (MDD), Annex V
(Devices in Class IIa, IIb or III)

No. G2 063105 0047 Rev. 01

Manufacturer:

CA-MI S.R.L.

Via Ugo La Malfa, 13
Frazione Pilastro
43013 Langhirano (PR)
ITALY

**Product
Category(ies):**

**Aerosol Therapy Equipment, Kits for Aerosol Therapy,
Thermal Water Inhaler, Suction Unit, Surgical Suction
Equipment, Breast Pump, Kit Accessory for Electric
Breast Pump, Blood Pressure Monitor, Electronic
Thermometer, Infrared Thermometer, Tens Device,
Pulse Oximeter**

The Certification Body of TÜV SÜD Product Service GmbH declares that the aforementioned manufacturer has implemented a quality assurance system for manufacture and final inspection of the respective devices / device categories in accordance with MDD Annex V. This quality assurance system conforms to the requirements of this Directive and is subject to periodical surveillance. For marketing of class IIb and III devices an additional Annex III certificate is mandatory. All applicable requirements of the testing and certification regulation of TÜV SÜD Group have to be complied with. For details and certificate validity see: www.tuvsud.com/ps-cert?q=cert:G2_063105_0047_Rev_01

Report No.:

ITA1626749

Valid from:

2021-02-09

Valid until:

2024-05-26

Date,

2021-02-09

Christoph Dicks
Head of Certification/Notified Body



Certificate

No. Q5 063105 0045 Rev. 02

Holder of Certificate:



CA-MI S.R.L.

Via Ugo La Malfa, 13
Frazione Pilastro
43013 Langhirano (PR)
ITALY

Certification Mark:



Scope of Certificate:

Design and development, production, sale and after-sales technical assistance of medical equipments for surgery (electrical and manual suction pumps), electric breast pumps, medical devices for breathing (aerosol therapy equipments and thermal water inhaler), medical devices for stimulation (tens) and related accessories. Placing on the market under its own name of devices for monitoring of vital physiological parameters (pulse oximeters, thermometers, blood pressure monitors, sphygmomanometer and stethoscopes), incentive spirometers, devices for phlebology (graduated compression medical stockings) and anti-decubitus mattress.

Distribution of active and non-active non implantable medical devices.

The Certification Body of TÜV SÜD Product Service GmbH certifies that the company mentioned above has established and is maintaining a quality management system, which meets the requirements of the listed standard(s). All applicable requirements of the testing and certification regulation of TÜV SÜD Group have to be complied with. For details and certificate validity see:

www.tuvsud.com/ps-cert?q=cert:Q5_063105_0045_Rev_02

Report No.: ITA1620011

Valid from: 2021-03-25

Valid until: 2022-07-31

Date, 2021-03-25

Christoph Dicks

Head of Certification/Notified Body

Certificate

No. Q5 063105 0045 Rev. 02

Applied Standard(s): EN ISO 13485:2016
Medical devices - Quality management systems -
Requirements for regulatory purposes
(ISO 13485:2016)
DIN EN ISO 13485:2016

Facility(ies): CA-MI S.R.L.
Via Ugo La Malfa, 13, Frazione Pilastro, 43013 Langhirano (PR), ITALY

Design and development, production, sale and after-sales technical assistance of medical equipments for surgery (electrical and manual suction pumps), electric breast pumps, medical devices for breathing (aerosol therapy equipments and thermal water inhaler), medical devices for stimulation (tens) and related accessories. Placing on the market under its own name of devices for monitoring of vital physiological parameters (pulse oximeters, thermometers, blood pressure monitors, sphygmomanometer and stethoscopes), incentive spirometers, devices for phlebology (graduated compression medical stockings) and anti-decubitus mattress. Distribution of active and non-active non implantable medical devices.

CA-MI S.r.l.
Via Strada per Parma 34, Frazione Pilastro, 43013 Langhirano (PR), ITALY

Warehouse of active and non-active non implantable medical devices and components used in production.

CA-MI S.r.l.
Via Ugo La Malfa 27, Frazione Pilastro, 43013 Langhirano (PR), ITALY

Production of medical devices for surgery (electrical and manual suction pumps), warehouse of active and non-active non implantable medical devices and components used in production.

/